



# Bachelor of Health Science (Nutrition and Dietetics) (PU43)

**Year offered:** 2006

**Admissions:** Yes

**CRICOS code:** 022143C

**Course duration (full-time):** 4 Years

**Domestic fees (per credit point):** Commonwealth Supported Place (*subject to annual review*)

**Domestic fees (indicative):** 2006:\$5989

**International Fees (per semester):** 2005: A\$8,000; 2006: A\$8,000 (*subject to annual review*)

**Domestic Entry:** February

**International Entry:** February

**QTAC code:** 425442; Dfee: 425446

**Past rank cut-off:** 97. Dfee places were not offered last year.

**Past OP cut-off:** 2. Dfee places were not offered last year.

**Assumed knowledge:** English (4, SA), Maths B (4, SA), and Chemistry (4, SA)

**Preparatory studies:** MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. CHEMISTRY: QUT unit Introductory Chemistry as a visiting student or QUT Continuing Professional Chemistry Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email [study@qut.com](mailto:study@qut.com)

**Total credit points:** 384

**Standard credit points per full-time semester:** 48

**Course coordinator:** Mrs Melinda Service

**Campus:** Kelvin Grove

## Other Majors

See also the separate entry for the following major in this course: Podiatry.

## OP Guarantee

The OP Guarantee does not apply to this course.

## Career Outcomes

Dietitians and nutritionists use their expertise in nutrition to promote and improve health, and to prevent and treat disease in individuals and whole communities. As community or public health workers, dietitian and nutritionists monitor, assess, and attempt to improve the dietary patterns and habits of groups or populations through education, training and promotion. Dietitians work as clinical dietitians, foodservice administrators, consulting nutritionists, consumer and public health specialists, diet counsellors, food advertising consultants, food analysts, food educators, product developers, sports nutritionists, and by promoting nutrition through the media as food journalists and editors. This course gives graduates an understanding of human anatomy, biochemistry and physiology, nutrition

education, health needs of specific populations, management, foodservice management, medical nutrition therapy, and practice in clinical dietetics.

Nutritionists and dietitians work in many areas including patient care and treatment in hospitals and nursing homes; private practice; nutrition education in community health centres; food services management; government; education, industry, occupational health and research. As a health qualification, the Bachelor of Health Science (Nutrition and Dietetics) also allows entry to general health-related positions.

## Professional Membership

Graduates are eligible for membership of the Dietitians Association of Australia, and may enrol in the APD (Accredited Practising Dietitian Program). They are also eligible for membership of the Public Health Association of Australia, the Australian Health Promotion Association, Sports Dietitian Association, and Sports Medicine Australia.

## Further Information

For more information about this course, please call the School of Public Health Student Centre on (07) 3864 3368.

## 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.

## Full-Time Course Structure

### Year 1, Semester 1

PCB142	Chemistry 1
PUB104	Introduction to Health Services Management
PUB251	Contemporary Public Health
PUB474	Food Studies

### Year 1, Semester 2

LSB255	Human Anatomy
PCB242	Chemistry 2
PUB201	Food and Nutrition

PYB012 Psychology

Students must choose either HMB273 Exercise Physiology 1 or LSB658 Clinical Physiology as their fourth unit.

**Year 2, Semester 1**

LSB308 Biochemistry  
LSB358 Physiology 1  
PUB326 Epidemiology  
PUB341 Nutrition Education

**Elective Units for the Nutrition and Dietetics Major**

Students are required to select three electives from the one area of study or from a variety of areas as listed below.

Students must ensure that no more than one elective is at an introductory level.

Elective units are subject to prerequisite requirements, credit points and availability of the unit. With the approval of the Subject Area Coordinator or the Course Coordinator other electives may be selected.

**Year 2, Semester 2**

LSB408 Metabolism  
LSB458 Physiology 2  
PUB405 Nutrition Science  
HMB273 Exercise Physiology 1  
OR  
LSB658 Clinical Physiology

**Alcohol and Drug Studies**

PYB158 Introduction to Substance Abuse in Australia  
PYB159 Alcohol & Other Drug Studies  
PYB260 Psychopharmacology of Addictive Behaviour  
PYB360 Interventions for Addictive Behaviours

**Year 3, Semester 1**

PUB506 Foodservice Management  
PUB509 Nutrition  
PUB541 Medical Nutrition Therapy 1  
PUB561 Quantitative Analysis for Health

**Clinical Science**

LSB365 Pathology  
LSB438 Immunology 1  
LSB508 Advanced Metabolism  
LSB658 Clinical Physiology  
PUB632 Independent Study

**Year 3, Semester 2**

PYB208 Counselling Theory and Practice 1  
PUB628 Advanced Food Studies  
PUB641 Medical Nutrition Therapy 2  
PUB875 Professional Practice

**Counselling**

PYB007 Interpersonal Processes and Skills  
Choose one of the following:  
PYB159 Alcohol & Other Drug Studies  
PYB257 Group Work  
PYB356 Counselling Theory and Practice 2  
PYB359 Introduction to Family Therapy  
PYB360 Interventions for Addictive Behaviours

**Year 4, Semester 1**

PUB723 Clinical Dietetic Practice  
PUB821-1 Practice in Community Nutrition  
PUB822-1 Practice in Food Service Management  
Elective

**Dietetic Management**

LWS001 Medicine And The Law  
PUB480 Health Administration Finance  
PUB490 Quality Management in Health  
PUB511 Health Policy, Planning and Evaluation

**Year 4, Semester 2**

PUB606 Dietetic Management  
PUB821-2 Practice in Community Nutrition  
PUB822-2 Practice in Food Service Management  
Elective  
Elective

**Note**

\* Credentialling requirements are for four semesters of study in anatomy/physiology.

**Exercise**

HMB273 Exercise Physiology 1



- HMB272 Biomechanics
- HMB274 Functional Anatomy
- HMB277 Exercise and Sport Nutrition
- HMB332 Health Related Fitness
- HMB379 Disorders of Human Movement
- HMB381 Exercise Physiology 2
- PUB632 Independent Study

#### Health Management

- PUB480 Health Administration Finance
- PUB511 Health Policy, Planning and Evaluation
- PUB514 Contract/Project Management
- PUB609 Health Resource Allocation
- PUB611 Risk Management

#### Health Promotion

- PUB107 Sustainable Environments for Health
- PUB336 Women's Health
- PUB406 Health Promotion Strategies
- PUB511 Health Policy, Planning and Evaluation
- PUB514 Contract/Project Management
- PUB557 Health Needs of Indigenous Australians and Other Populations
- PUB565 International Health
- PUB644 Health Promoting Schools

#### Private Practice

- BSB110 Accounting
- LWS001 Medicine And The Law
- PUB826 Project and Professional Management
- BSB113 Economics  
OR
- BSB114 Government, Business and Society  
OR
- BSB126 Marketing

#### Public Health

- PUB329 Foundations of Health Studies and Health Behaviour
- PUB416 Research Methods
- PUB511 Health Policy, Planning and Evaluation
- PUB406 Health Promotion Strategies

- HMB333 Child and Adolescent Health

#### Research

- HLN405 Qualitative Research
- HLN706 Advanced Quantitative Research Methods
- PUB416 Research Methods
- PUB461 Qualitative Inquiry in Public Health
- PUB632 Independent Study

#### Potential Careers:

Nutritionist/Dietitian, Policy Officer, Public Health Officer.

## UNIT SYNOPSES

### BSB110 ACCOUNTING

Accounting data is the basis for decision making in any organisation. Accordingly, the aim of this unit is to provide students with a basic level of knowledge of modern financial and managerial accounting theory and practice so that they can understand how accounting data is used to help make decisions in organisations. The unit covers financial procedures and reporting for business entities, analysis and interpretation of financial statements and planning, control and business decision making.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Carseldine **Teaching period:** 2006 SEM-1, 2006 SEM-2 and 2006 SUMMER **Incompatible with:** BSD110, CTB110

### BSB113 ECONOMICS

This unit introduces students to the key economic concepts and their practical applications. It comprises twelve topics each focusing on a current economic issue. Microeconomic topics include demand and supply, elasticity, production and cost theory and market structure. Macroeconomic topics include measuring GDP, inflation and unemployment, money and banking, and fiscal and monetary policy.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Carseldine **Teaching period:** 2006 SEM-1, 2006 SEM-2 and 2006 SUMMER **Incompatible with:** CTB113, BSD113

### BSB114 GOVERNMENT, BUSINESS AND SOCIETY

This unit provides a basic grounding in the principles, institutions and functions of government and their interactions with business and society. Its principal focus is the structure and key features of Australia's constitutional and government framework including the judicial and administrative processes, especially as they affect business. Students develop a comparative appreciation of the principles, institutional arrangements and practices of contemporary government in a global context. This includes consideration of law-making and policy processes and the impact of the changing national and international environment.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Carseldine **Teaching period:** 2006 SEM-1, 2006 SUM-2, 2006 SEM-2 and 2006 SUMMER **Incompatible with:** HUB694, HUB682, SSB028, BSD114, CTB114

### BSB126 MARKETING

This introductory subject examines the role and importance of marketing to the contemporary organisation. Emphasis is placed on understanding the basic principles and practices of marketing such as the marketing concept, market segmentation, management information systems and consumer behaviour. The unit explores the various elements of the marketing mix, with special reference to product, price, distribution, and promotion, including advertising and public relations. By way of introduction only, key issues relating to services marketing, e-marketing and strategic marketing are also canvassed.

**Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point and Carseldine **Teaching period:** 2006 SEM-1, 2006 SEM-2 and 2006 SUMMER **Incompatible with:** BSB116, CTB126

### HLN405 QUALITATIVE RESEARCH

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

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2006 SEM-1 and 2006 SEM-2

### HLN706 ADVANCED QUANTITATIVE RESEARCH METHODS

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

**Prerequisite(s):** HLN705 or PUN105 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2006 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.

**Credit points:** 12 **Contact hours:** 4 per week **Campus:**

Kelvin Grove **Teaching period:** 2006 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.

**Prerequisite(s):** LSB231 or equivalent **Credit points:** 12  
**Contact hours:** 4 per week **Campus:** Kelvin Grove  
**Teaching period:** 2006 SUM-2 and 2006 SEM-2

### **HMB274 FUNCTIONAL ANATOMY**

This unit includes the following: surface anatomy of the trunk and upper and lower limb; morphological and mechanical properties of bone, muscle-tendon units with implications for physical activity; joint structure and function; analyses of movement tasks including walking and running; cinematography and electromyography in functional anatomy of movement tasks.

**Prerequisite(s):** LSB131 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-1

### **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.

**Prerequisite(s):** HMB172 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-1

### **HMB332 HEALTH RELATED FITNESS**

This unit provides a forum for a review of selected classic and recent literature representing the growing body of evidence and the arguments supporting the relationships between physical activity and chronic disease and the relationships between physical activity, fitness, optimal health and wellness. Special attention is given to the question of 'How much is enough?' to achieve health and wellness enhancement. This knowledge is applied to an individual or a small group within the school, community and personal lifestyle contexts.

**Prerequisite(s):** HMB171 or PUB327 **Credit points:** 12  
**Contact hours:** 3-4 per week **Campus:** Kelvin Grove  
**Teaching period:** 2006 SEM-1

### **HMB333 CHILD AND ADOLESCENT HEALTH**

This unit focuses on the wide range of factors that impact on the

health of individuals in the two crucial stages of life: childhood and adolescence. An analysis is made of knowledge, beliefs and skills required for promoting health-enhancing behaviours during these ages and experience is provided on some of the skills needed to assess and maintain the health status of children and adolescents.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-2

### **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.

**Prerequisite(s):** HMB271, HMB272, HMB273, HMB274  
**Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-1

### **HMB381 EXERCISE PHYSIOLOGY 2**

This unit examines the integrated regulation of the organ system examined in Exercise Physiology 1. Within this integrated perspective current research areas will be highlighted, including but not limited to (1) exercise performance and environmental stress, (2) special aids to exercise training and performance, and (3) limitations to exercise in healthy normal individuals, elite athletes and selected patient populations.

**Prerequisite(s):** HMB273 **Credit points:** 12 **Contact hours:** 3-4 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-1

### **LSB255 HUMAN ANATOMY**

The medically oriented biological scientist requires a detailed understanding and knowledge of human anatomy. This unit exposes the student to the theoretical and practical facets of both microscopic and macroscopic anatomy of the human body with the emphasis on the microscopic anatomy.

**Prerequisite(s):** LSB118 (or equivalent) **Credit points:**

**12 Contact hours:** 5 per week **Campus:** Gardens Point  
**Teaching period:** 2006 SEM-2 **Incompatible with:**  
LSB152

### **LSB308 BIOCHEMISTRY**

This unit includes the following: the basic biochemistry of amino acids, peptides and proteins; carbohydrates and nucleic acids; lipid biochemistry and membrane function; basic enzymology; energy production in cells; high energy molecules; thermodynamics and bioenergetics.

**Prerequisite(s):** LSB238, PCB242 **Credit points:** 12  
**Contact hours:** 4 per week **Campus:** Gardens Point  
**Teaching period:** 2006 SEM-1 **Incompatible with:**  
LSB275, LSB325

### **LSB358 PHYSIOLOGY 1**

The aim of this unit is to provide a thorough examination of the functional organisation of the human body. The subject provides a useful frame of reference for students enrolled in courses such as biology, biochemistry, microbiology, molecular biology, nutrition and human movements. The subject is offered in conjunction with LSB458 which runs in second semester and as a prelude to the third level subjects Advanced Physiology [LSB558] and Clinical Physiology [LSB658].

**Prerequisite(s):** LSB131 or LSB142 or LSB255 or LSB258 or NRB270 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2006 SEM-1

### **LSB365 PATHOLOGY**

Pathology introduces students to the study of the disease processes underlying the major diseases of human organ systems. General disease processes of the major specific diseases of the organ systems are introduced, and then become the focus in systematic pathology. An understanding of general and systematic pathology is fundamental to the application of basic biomedical knowledge to clinically relevant states and the major diseases. This unit provides students with the foundation knowledge needed for subsequent clinical semesters. On completion of this unit, students should know, understand and be able to apply facts, concepts and terms related to disease processes and the major diseases occurring in the organ systems.

**Prerequisite(s):** LSB250, LSB255 **Credit points:** 12  
**Contact hours:** 5 per week **Campus:** Gardens Point  
**Teaching period:** 2006 SEM-1

### **LSB408 METABOLISM**

This unit addresses the following: the basic biochemical pathways of metabolism for the major nutrient groups in mammals (including carbohydrates, lipids, amino acids and nucleotides); electron transport and oxidative phosphorylation; photosynthesis; metabolic control

mechanisms in relation to nutrient status in normal and pathologic situations; and the integration of metabolism for specialised tissue functions.

**Prerequisite(s):** LSB308 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2006 SEM-2 **Incompatible with:** LSB275, LSB325

### **LSB438 IMMUNOLOGY 1**

The mechanisms of the immune process including the nature of antigens, antibodies, antigen-antibody reactions, antibody formation, control of the humoral and cell-mediated immune responses, and immunisation of humans against infections are addressed in this unit.

**Prerequisite(s):** LSB250, LSB328 **Credit points:** 12  
**Contact hours:** 5 per week **Campus:** Gardens Point  
**Teaching period:** 2006 SEM-2

### **LSB458 PHYSIOLOGY 2**

The aim of this unit is to provide a thorough examination of the functional organisation of the human body. The subject provides a useful frame of reference for students enrolled in courses such as biology, biochemistry, microbiology, molecular biology, nutrition and human movements. The subject is offered in conjunction with LSB358 which runs in first semester and as a prelude to the third level subjects LSB558 and LSB658.

**Prerequisite(s):** LSB131 or LSB142 or LSB255 or LSB258 or NRB270 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2006 SEM-2

### **LSB508 ADVANCED METABOLISM**

Detailed information is provided in this unit on the catabolic and anabolic pathways for the major molecules in mammalian systems. Important aspects of non-mammalian metabolism are described. Advanced concepts in bioenergetics and thermodynamics are described in the context of cellular metabolism. Integration of metabolism including production of mixed conjugates of biological significance such as amino-sugars and lipopolysaccharides, and hormonal regulation of metabolism are included.

**Prerequisite(s):** LSB408 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2006 SEM-1

### **LSB658 CLINICAL PHYSIOLOGY**

In this unit students explore the physiological basis, pathogenesis, clinical features and treatment rationale of the major disorders of the cardiovascular, respiratory, haematological, renal, gastrointestinal, nervous and endocrine systems. One of the objectives of the unit is to develop critical thinking and apply this to the discussion of pathophysiological cases.

**Prerequisite(s):** LSB358, LSB458 **Corequisite(s):** Nil

except for LSB458 if not taken as prerequisite **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2006 SEM-2 **Incompatible with:** LSB467

#### **LWS001 MEDICINE AND THE LAW**

The impact of some important fields of law upon the medical profession and upon hospital staff, patients and visitors. Introduction to law and the legal system. The Federal and State systems; general principles of the law of tort; principles of negligence; liability of hospitals; issues of consent; legal aspects of medical practice; medico-legal investigations; abortion law; euthanasia and transplantation issues.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-2

#### **PCB142 CHEMISTRY 1**

This unit includes inorganic and general chemistry: nature of matter, chemical reactions and chemical equations, reactions in solution, acids bases and redox reactions, atomic and molecular structure, periodic table and periodicity, atomic electron configurations, chemical bonds and theories of chemical bonding. It also includes physical chemistry: states of matter, gases, chemical equilibrium, equilibria in electrolyte solutions, acids and bases, buffer solutions, colligative properties, colloids, introductory electrochemistry.

**Prerequisite(s):** EITHER SA or better in Senior Chemistry OR PCB101 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2006 SEM-1 and 2006 SEM-2 **Incompatible with:** PCB140

#### **PCB242 CHEMISTRY 2**

This unit includes the following: introductory organic chemistry; organic functional group chemistry; stereochemistry of organic compounds; biologically important organic compounds; heterocyclic chemistry; biologically important inorganic compounds; calorie counting - the underlying principle; speed control of chemical and biochemical processes.

**Prerequisite(s):** PCB140 (for students without Senior Chemistry), PCB142 (for students with Senior Chemistry)

**Corequisite(s):** PCB142 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point and Carseldine **Teaching period:** 2006 SEM-1 and 2006 SEM-2

#### **PUB104 INTRODUCTION TO HEALTH SERVICES MANAGEMENT**

This is an important unit for students entering or planning to enter the health industry as it is designed to give a broad overview of systems of health care in Australia and their methods of operation. This unit introduces the role of health service managers as members of the health care team, the

basic principles of health service management in health care facilities and beyond, and the functions of health service managers.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2006 SEM-1

#### **PUB107 SUSTAINABLE ENVIRONMENTS FOR HEALTH**

The practice of environmental health has always been concerned with the study of the human environment interface and in particular the quest for developing sustainable environments for health. This unit outlines what environmental health is and describe the major issues impacting on a sustainable future. Topics include the following: the National Environmental Health Strategy; ecology and ecosystems; sustainable development; air pollution; food safety; water and sanitation; waste and contaminated land; indigenous health; built environment; risk assessment; and global environmental health issues.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 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 and External **Teaching period:** 2006 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.

**Credit points:** 12 **Contact hours:** 4 per week (KG and Ext Sem 1; KG Sem 2) **Campus:** Kelvin Grove and External **Teaching period:** 2006 SEM-1 and 2006 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.

**Prerequisite(s):** PUB251 **Credit points:** 12 **Contact hours:** 3 per week (Ext PU40 Pub Hlth students only)  
**Campus:** Kelvin Grove and External **Teaching period:** 2006 SEM-1 **Incompatible with:** PUB314

### **PUB329 FOUNDATIONS OF HEALTH STUDIES AND HEALTH BEHAVIOUR**

This unit examines the foundations of the health education discipline, its theoretical framework, and the concepts of health models, health education and health promotion. Theories of change are analysed in their application to health education and health promotion practice for a range of professionals, including teachers.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-1

### **PUB336 WOMEN'S HEALTH**

This unit explores the data and current health issues related to women's health and critically evaluates health related policies, systems and practices in terms of their impact on women's health, internationally and in Australia. The social, economic, cultural and political influences on women's health, and the specific needs of sub-populations of women are examined.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-2

### **PUB341 NUTRITION EDUCATION**

This unit explores the history and philosophy of nutrition education as well as its theoretical basis. Students develop skills in the development, implementation and evaluation of nutrition education programs for particular target groups. They are introduced to a range of nutrition education programs currently underway as well as policy underpinning these programs. There is an opportunity to develop a real world example.

**Prerequisite(s):** PUB201 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 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.

**Prerequisite(s):** LSB308, PUB201 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-2

### **PUB406 HEALTH PROMOTION STRATEGIES**

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.

**Prerequisite(s):** PUB251 **Credit points:** 12 **Contact hours:** 3 **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-2

### **PUB416 RESEARCH METHODS**

An understanding of research methods is essential in the training of all public health professionals. This unit explores quantitative methods in a variety of health research projects, examining conceptualisation of research questions and hypotheses, core elements of experimental and quasi-experimental designs, and various approaches to the collection, management and analysis of quantitative data. The unit has a practical focus for students who are considering conducting research as well as those interested in deeper appreciation of implementation behind published research results.

**Prerequisite(s):** PUB314 or PUB326 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2006 SEM-2

### **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.

**Prerequisite(s):** PUB326 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

### **PUB474 FOOD STUDIES**

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.

**Credit points:** 12 **Contact hours:** 5 per week **Campus:**

Kelvin Grove **Teaching period:** 2006 SEM-1

### **PUB480 HEALTH ADMINISTRATION FINANCE**

This unit addresses the following: financial administration and resource/financial distribution within the Commonwealth and State governments; financial management in the health industry; financial analysis; planning and budgeting; working capital management in the health industry; health care financial performance and evaluation; and methodologies for costing health services.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2006 SEM-2

### **PUB490 QUALITY MANAGEMENT IN HEALTH**

Quality is integral to all aspects of healthcare delivery. Knowledge and understanding of the concepts of quality management, and the ability to perform quality processes are essential for all health care professionals. This unit provides students with the necessary knowledge and skills to develop a quality management program, perform quality improvement activities, and expand outcomes into process improvements and organisational change. The principles underpinning evidence based medicine and clinical pathways (including variance analysis) are presented, methods of health care performance measurement are explored, and a clinical quality framework model is introduced.

**Prerequisite(s):** 96 credit points and background knowledge of the health care system **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-2 **Incompatible with:** PUB599

### **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.

**Prerequisite(s):** PUB474 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-1

### **PUB509 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.

**Prerequisite(s):** PUB201, PUB314 or PUB326 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-1

### **PUB511 HEALTH POLICY, PLANNING AND EVALUATION**

This unit provides advanced undergraduate students with an opportunity to develop the following: an understanding of the concepts of health policy, planning and evaluation; a capacity for analysis using both theoretical and practical examination of current health-related policies, plans and evaluations; and an opportunity to apply concepts learned in this unit to develop a proposal for a program plan and associated implementation and evaluation strategy.

**Prerequisite(s):** 144 credit points completed **Credit points:** 12 **Contact hours:** 3.5 **Campus:** Kelvin Grove and External **Teaching period:** 2006 SEM-1

### **PUB514 CONTRACT/PROJECT MANAGEMENT**

This unit aims to prepare students for participation in contract and project management in the health sector. The unit provides advanced undergraduate students with an opportunity to develop an understanding of health project contract management using both theoretical and practical examination of current state and national contracts and projects.

**Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove and External **Teaching period:** 2006 SEM-1 **Incompatible with:** NSN625 (for postgraduate students)

### **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.

**Prerequisite(s):** LSB408, LSB458, PUB405 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2006 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.

**Prerequisite(s):** PUB251 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-1

#### **PUB561 QUANTITATIVE ANALYSIS FOR 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.

**Prerequisite(s):** PUB416 (except NUD students) **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 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.

**Prerequisite(s):** 192 credit points, PUB251, PUB326 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 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.

**Prerequisite(s):** PUB506, PUB722 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-2

#### **PUB609 HEALTH RESOURCE ALLOCATION**

This unit aims to prepare students for participation in health sector decision making as underpinned by a range of health specific evaluation activities. The unit provides students with a grounding in the methodologies of health evaluation and resource allocation.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2006 SEM-2

#### **PUB611 RISK MANAGEMENT**

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:** 2006 SEM-2

#### **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.

**Prerequisite(s):** PUB474, PUB541 **Corequisite(s):** PUB641 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Teaching period:** 2006 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.

**Prerequisite(s):** Completion of 192 credit points **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2006 SEM-2

#### **PUB641 MEDICAL NUTRITION THERAPY 2**

This unit builds on the extensive knowledge base of the theory and application of dietary treatment to disease and the principles of nutritional assessment development in Medical Nutrition Therapy 1.

**Prerequisite(s):** PUB541 **Corequisite(s):** PUB628



**Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2006 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.

**Prerequisite(s):** 196 credit points **Credit points:** 12  
**Campus:** External **Teaching period:** 2006 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.

**Prerequisite(s):** PUB875 **Credit points:** 24 **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-1  
**Incompatible with:** PUB722

#### **PUB821 PRACTICE IN COMMUNITY NUTRITION**

This unit involves a four week practical placement off-campus where students work on various projects and gain experience in the nutrition and health care of groups in a variety of community, workplace and school settings.

**Prerequisite(s):** Completion of all prior Nutrition & Dietetics core units **Credit points:** 6 **Campus:** Kelvin Grove  
**Teaching period:** 2006 SEM-1

#### **PUB821 PRACTICE IN COMMUNITY NUTRITION**

This unit involves a four week practical placement off-campus where students work on various projects and gain experience in the nutrition and health care of groups in a variety of community, workplace and school settings.

**Prerequisite(s):** PUB821-1 **Credit points:** 6 **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-2

#### **PUB822 PRACTICE IN FOOD SERVICE MANAGEMENT**

This unit includes a four week practical component consisting of up to four separate placements in hospitals, nursing homes, correctional centres or other locations to gain experience in food service management.

**Prerequisite(s):** Completion of all prior Nutrition & Dietetics core units **Credit points:** 6 **Campus:** Kelvin Grove

**Teaching period:** 2006 SEM-1

#### **PUB822 PRACTICE IN FOOD SERVICE MANAGEMENT**

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**Prerequisite(s):** PUB822-1 **Credit points:** 6 **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-2

#### **PUB826 PROJECT AND PROFESSIONAL MANAGEMENT**

This unit addresses two key concepts: it explains how a professional practice may be set up and how a small practice can operate as a business enterprise. Methods of budgeting, finance and control are included; it develops an interest in podiatry research using scientific methods of investigation and presentation. Students are encouraged to publish these projects as original material in related professional journals.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2006 SEM-2

#### **PUB875 PROFESSIONAL PRACTICE**

This unit is undertaken by students in the public health, and nutrition and dietetics strands of the BHLthSc. It provides students with the opportunity of working in one or a number of placements in a professional capacity in an area of interest to the student. It provides an opportunity for students to apply the knowledge and skills acquired through their course to a practical problem or workplace situation.

**Prerequisite(s):** NUD / NUT successful completion of all prior core units; All other majors, completion of 216 credit points including PUB514 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2006 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.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point, Kelvin Grove and Carseldine **Teaching period:** 2006 SEM-1 and 2006 SEM-2 **Incompatible with:** PYB086

#### **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.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point, Kelvin Grove and Carseldine **Teaching period:** 2006 SEM-1 and 2006 SEM-2 **Incompatible with:** PYB073, PYB100, PYB101

### **PYB158 INTRODUCTION TO SUBSTANCE ABUSE IN AUSTRALIA**

This unit introduces students to alcohol and drug use in the Australian context. The unit examines the terminology and definitions commonly associated with the alcohol and other drug field as well as providing an overview of models of drug use. This unit compares and contrasts current trends and patterns of substance use in Australia and critically examines the legitimacy of this focus. Australian substance use/abuse patterns are positioned within a global context.

**Credit points:** 12 **Contact hours:** 3 per week **Campus:** Carseldine **Teaching period:** 2006 SEM-2

### **PYB159 ALCOHOL & OTHER DRUG STUDIES**

This unit aims to give students an understanding of the extent of substance abuse in our community: who uses what, where and when; the models that have been advanced for understanding substance abuse; the intervention and therapeutic models utilised within the field; the effects of substance abuse, physiologically, socially and psychologically.

**Prerequisite(s):** 96 credit points of study **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Carseldine **Teaching period:** 2006 SEM-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.

**Prerequisite(s):** PYB007 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Carseldine **Teaching period:** 2006 SEM-2

### **PYB257 GROUP WORK**

This unit provides an opportunity for experiential group learning, either intensively or in regular program times. It examines types of groups and varieties of group experiences: the importance and uniqueness of group medium; understanding behaviour in the group context; theories and models of group development; leader and member behaviours; planning; implementing and evaluating group methods; establishing groups and planning group approaches; the group as a therapeutic community; evaluating group work; ethical issues.

**Prerequisite(s):** PYB007 or equivalent **Credit points:** 12 **Contact hours:** 1 week intensive between semesters 1 & 2 **Campus:** Carseldine **Teaching period:** 2006 SEM-2

### **PYB260 PSYCHOPHARMACOLOGY OF ADDICTIVE BEHAVIOUR**

This unit develops the student's understanding of behavioural pharmacology, with particular emphasis on the psychopharmacology of addictive behaviours. To establish a framework for learning, classes will initially include a review of neurobiology, introduction to pharmacokinetics, and discussion of research methods used to investigate psychopharmacological effects of drugs on behaviour. Subsequent classes address the history and origin of the more commonly used addictive substances, routes of administration, patterns of distribution and excretion, neuropharmacology, and the effects of acute and chronic administration. Substances covered include those that are most widely associated with problems of dependence and addiction.

**Prerequisite(s):** PYB159 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Carseldine **Teaching period:** 2006 SEM-1

### **PYB356 COUNSELLING THEORY AND PRACTICE 2**

This unit focuses on the common facilitative factors within a counselling process paying attention to the person of the therapist and the counselling relationship. In order to respond appropriately and therapeutically to the needs of their clients, counsellors must have a clear understanding of the social and interactive processes which occur. Consideration of verbal, non-verbal, social, emotional, gender, psychological and social dimensions enables counsellors to develop effective, functional and client-focused relationships and to control biases, needs and possible exploitive practices.

**Prerequisite(s):** PYB208 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Carseldine **Teaching period:** 2006 SEM-1

### **PYB359 INTRODUCTION TO FAMILY THERAPY**

Family therapy, based on a systemic or relationship understanding of human problems, has been one of the



most significant influences in the fields of counselling and psychology in recent times. With the increasing emphasis on the family as a focus for social policy, support services, research, and intervention, it is important for counsellors and psychologists to have some familiarity with the basic concepts and skills of this broad approach. This unit focuses on providing basic skills and concepts from one particular approach which will be called 'Constructive Therapy', combining aspects of solution-focused therapy, possibility therapy, narrative therapy and reflecting team practice.

**Prerequisite(s):** PYB208 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Carseldine **Teaching period:** 2006 SEM-2

### **PYB360 INTERVENTIONS FOR ADDICTIVE BEHAVIOURS**

Addictive behaviours, in the form of alcohol-dependence, substance abuse and gambling, are recognised as major problems nationally and internationally. This unit focuses predominantly on psychological aspects of addictive behaviours. To establish a framework for learning, classes initially review issues relating to psychological models of addiction and methods of studying addictive behaviours. Issues pertaining to the symptomatology, etiology and assessment of addictive behaviours, as well as the theoretical underpinnings of a range of therapeutic interventions are also discussed. This unit encourages critical thinking and analysis with the aim of enhancing students' understanding of the complex issues relating to management of addictive behaviours.

**Prerequisite(s):** PYB158 or PYB159 or PYB260 **Credit points:** 12 **Contact hours:** 1 week intensive between semesters 1 & 2 **Campus:** Carseldine **Teaching period:** 2006 SEM-2 **Incompatible with:** PYN460