B Applied Science (in Human Movement Studies) / B Behavioural Science (Psychology) (HL45)

Year offered: 2010
Admissions: No
CRICOS code: 066531E
Course duration (full-time): 4 years
Domestic fees (indicative): 2010: CSP $2.655 (indicative) per semester
International Fees (indicative): 2010: $11,000 (indicative) per semester
Domestic Entry: February
International Entry: February
QTAC code: 405521
Past rank cut-off: 82
Past OP cut-off: 10
OP Guarantee: Yes
Assumed knowledge: English (4, SA)
Preparatory studies: For information on acquiring assumed knowledge visit http://www.studentservices.qut.edu.au/apply/ug/info/knowledge.jsp
Total credit points: 408
Course coordinator: Psychology component - Dr Julie Hansen; Human Movement Studies component - Dr Ian Renshaw. For course enquiries contact: Psychology - psyc.enquiries@qut.edu.au or HMS - enquirieshms@qut.edu.au
Campus: Kelvin Grove

Overview
This course has been replaced by HL24 Bachelor of Exercise and Movement Science/ Bachelor of Behavioural Science (Psychology) from first semester 2010.

Continuing students will complete their course requirements in HL45 Bachelor of Applied Science (in Human Movement Studies)/Bachelor of Behavioural Science (Psychology).

This course develops skills and knowledge in exercise and sports science and psychology to understand the exercise response when working in the areas of health, rehabilitation and sport. On completion of this double degree, students have the option to apply for an additional year of study in psychology, in order to gain provisional registration as a psychologist.

Career options
Graduates of this course may find employment in exercise and sports science settings, the health and fitness industry, government agencies, state sporting associations, rehabilitation clinics, institutes of sport, health rehabilitation.

Professional recognition
The Bachelor of Behavioural Science (Psychology) is accredited by the Australian Psychology Accreditation Council. To pursue a career in a professional area of psychology you must be registered with your state registration board. This currently involves completing a fourth year of study in psychology (eg Bachelor of Behavioural Science (Honours Psychology) or Postgraduate Diploma in Psychology), followed by either two years of supervised work experience or the completion of an appropriate higher degree such as a Doctor of Psychology (Clinical), Master of Clinical Psychology or Master of Psychology (Educational and Developmental).

Other course requirements
Students must be issued with a blue card prior to having contact with children. For more information see bluecard.qut.com

Further information
For detailed information about this double degree, please contact the School of Human Movement Studies - email hms.enquiries@qut.edu.au - or the School of Psychology and Counselling - email psych.enquiries@qut.edu.au - or phone +617 3138 4520

Course structure - full-time

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Year 1, Semester 2</th>
<th>Year 2, Semester 1</th>
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<tbody>
<tr>
<td>HMB171 Fitness Health and Wellness</td>
<td>HMB172 Nutrition and Physical Activity</td>
<td>HMB271 Foundations of Motor Control, Learning and Development</td>
</tr>
<tr>
<td>LSB131 Anatomy</td>
<td>LSB231 Physiology</td>
<td>HMB274 Functional Anatomy</td>
</tr>
<tr>
<td>PYB007 Interpersonal Processes and Skills</td>
<td>PYB102 Introduction to Psychology 1B</td>
<td>HMB277 Exercise and Sport Nutrition</td>
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<tr>
<td>PYB100 Foundation Psychology</td>
<td>PYB110 Psychological Research Methods</td>
<td>PYB202 Social and Organisational Psychology</td>
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<td>Year 2, Semester 2</td>
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<tr>
<td>PYB210 Research Design and Data Analysis</td>
<td>PYB067 Human Sexuality</td>
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<tr>
<td>HMB273 Exercise Physiology 1</td>
<td>PYB159 Alcohol &amp; Other Drug Studies</td>
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<tr>
<td>HMB282 Resistance Training</td>
<td>PYB215 Forensic Psychology and the Law</td>
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<tr>
<td>PYB203 Developmental Psychology</td>
<td>PYB257 Group Work</td>
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<tr>
<td>PYB208 Counselling Theory and Practice 1</td>
<td>Please note PYB257 Group Work requires attendance on campus for five days during the June/July university break.</td>
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<thead>
<tr>
<th>Year 3, Semester 1</th>
<th>Year 3, Semester 2</th>
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</thead>
<tbody>
<tr>
<td>HMB379 Disorders of Human Movement</td>
<td>HMB275 Exercise and Sport Psychology</td>
</tr>
<tr>
<td>HMB382 Principles of Exercise Prescription</td>
<td>HMB272 Biomechanics</td>
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<tr>
<td>PYB309 Individual Differences and Assessment</td>
<td>HMB elective</td>
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<tr>
<td>PYB elective (List A or B)</td>
<td>PYB204 Perception and Cognition</td>
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<tr>
<td>PYB elective (List A or B)</td>
<td>PYB elective (List A or B)</td>
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<tr>
<th>Year 4, Semester 1</th>
<th>Year 4, Semester 2</th>
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<tbody>
<tr>
<td>HMB470 Practicum 1</td>
<td>HMB elective</td>
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<tr>
<td>HMB elective</td>
<td>HMB elective</td>
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<tr>
<td>PYB304 Physiological Psychology</td>
<td>PYB306 Psychopathology</td>
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<tr>
<td>PYB elective (List B)</td>
<td>PYB350 Advanced Statistical Analysis</td>
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<tr>
<td>PYB elective (List B)*</td>
<td>OR</td>
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*PYB350 is compulsory for entry to fourth year programs in psychology for example Bachelor of Behavioural Science (Honours Psychology) and Postgraduate Diploma in Psychology.

Psychology List B electives

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<thead>
<tr>
<th>Psychology List B electives</th>
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<tbody>
<tr>
<td>PYB302 Industrial and Organisational Psychology</td>
<td>PYB307 Health Psychology</td>
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<tr>
<td>PYB307 Health Psychology</td>
<td>PYB350 Advanced Statistical Analysis</td>
</tr>
<tr>
<td>PYB356 Counselling Theory and Practice 2</td>
<td>PYB359 Introduction to Family Therapy</td>
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<tr>
<td>PYB360 Interventions for Addictive Behaviours</td>
<td>PYB372 Traffic Psychology and Behaviour</td>
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<tr>
<td>PYB305</td>
<td>PYB374 Applying Traffic Psychology</td>
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Human Movement Studies electives

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<tr>
<th>Human Movement Studies electives</th>
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<tbody>
<tr>
<td>HMB361 Functional Anatomy 2</td>
<td>HMB362 Biomechanics 2</td>
</tr>
<tr>
<td>HMB362 Biomechanics 2</td>
<td>HMB371 Motor Control And Learning 2</td>
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<tr>
<td>HMB371 Motor Control And Learning 2</td>
<td>HMB381 Exercise Physiology 2</td>
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<tr>
<td>HMB381 Exercise Physiology 2</td>
<td>HMB384 Injury Prevention and Rehabilitation</td>
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<tr>
<td>HMB384 Injury Prevention and Rehabilitation</td>
<td>HMB374 Psychology of Rehabilitation</td>
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<tr>
<td>HMB374 Psychology of Rehabilitation</td>
<td>HMB376 Motor Development in Children</td>
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<tr>
<td>HMB376 Motor Development in Children</td>
<td>HMB480 Advanced Exercise Prescription</td>
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Health Unit prerequisites/corequisites

For information on prereqs & coreqs visit: www.hlth.qut.edu.au/study/forcurrentstudents/

UNIT SYNOPSES

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: 2010 SEM-1

**HMB172 NUTRITION AND PHYSICAL ACTIVITY**

This unit is an introduction to principles of nutrition in relation to the physical activity setting, and the role of nutrition and physical activity in weight management. This unit also covers the essential elements of child growth and development (auxology) in relation to nutrition and health. The unit is designed to underpin studies in exercise physiology and sports nutrition.

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

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

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

Prerequisites: LSB131 or LSB231 or LSB255
Credit points: 12
Contact hours: 4 per week
Campus: Kelvin Grove
Teaching period: 2010 SEM-1

**HMB272 BIOMECHANICS**

This unit includes the application of mechanics as they apply to Human Movement including: kinematics and dynamics of human body models; quantitative analysis; impact; work and power; fluid dynamics; material properties.

Prerequisites: LSB131
Credit points: 12
Contact hours: 4 per week
Campus: Kelvin Grove
Teaching period: 2010 SEM-2

**HMB273 EXERCISE PHYSIOLOGY 1**

This unit describes the immediate physiological responses to exercise, and the adaptations that occur with long-term exercise training. Exercise places a demand on the human body to provide sufficient energy to perform. The metabolic, hormonal, cardiovascular and pulmonary systems must adapt to meet the challenge of homeostasis. The active skeletal muscle must increase extraction and utilisation of oxygen and other fuels, the cardiovascular system must respond to improved gas and fuel transport, and lung function must change to facilitate increased respiratory gas exchange.

NOTE for Summer Semester students: Teaching will not commence until January 2010, but some unit information will be available from 16 November 2009.

Students wishing to enrol up to the beginning of January will need to email enquirieshms@qut.edu.au

**Prerequisites:** LSB231 or LSB142
Credit points: 12
Contact hours: 4 per week
Campus: Kelvin Grove
Teaching period: 2010 SUM-2, 2010 SEM-2 and 2010 SUM-1

**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.

Prerequisites: LSB131 or LSB255
Credit points: 12
Contact hours: 4 per week
Campus: Kelvin Grove
Teaching period: 2010 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: 3 per week
Campus: Kelvin Grove
Teaching period: 2010 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: 2010 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.

**Prerequisite(s):** HMB275  
**Contact hours:** 4 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1

**HMB376 MOTOR DEVELOPMENT IN CHILDREN**

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  
**Contact hours:** 4 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 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  
**Contact hours:** 4 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 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.

**Prerequisites:** HMB273  
**Credit points:** 12  
**Contact hours:** 3-4 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1

**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:** 2010 SEM-1

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**HMB384 INJURY PREVENTION AND REHABILITATION**

This unit considers the following: epidemiology and nature of common injuries that occur at home, school, work and during sporting activities; current philosophies of preventative measures and strategies for the treatment and rehabilitation of injuries; the role of health training, exercise and fitness in injury prevention, treatment and rehabilitation regimes; the pathology of injuries and repair processes highlighted by examining specific examples.

**Prerequisites:** HMB274  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-2

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**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.

**Prerequisites:** HMB382  
**Credit points:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1 and 2010 SEM-2

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**HMB480 ADVANCED EXERCISE PRESCRIPTION**

This is a companion unit to HMB382, and extends the understanding of how fitness assessment and exercise prescription can be applied to an individual. A number of different disease states, special populations and scenarios are used to examine the potential role of physical activity and appropriately prescribed exercise to maintain and improve functional capacity. A strong emphasis is placed on identifying the problems faced in fitness assessment and exercise prescription for special cases and conditions, and finding appropriate solutions.

**Prerequisites:** HMB382  
**Credit points:** 12  
**Contact hours:** 4 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-2

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**LSB131 ANATOMY**

This unit includes basic concepts of anatomy: an overview of the structure of cells, body tissues, and body systems; aspects of surface anatomy which are relevant to human movement; musculoskeletal systems.  

**Antirequisites:** LSB142, LSB182, LSB258  
**Equivalents:** LSB145  
**Credit points:** 12  
**Contact hours:** 5 per week  
**Campus:** Gardens Point  
**Teaching period:** 2010 SEM-1

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**LSB231 PHYSIOLOGY**

This unit covers the general physiological principles such as homeostasis and how all systems in the body contribute to it. Topics include cells, transport processes, cardiovascular system, cardiac electrical activity, cardiac output, regulation of blood pressure, respiratory system, endocrine system, pulmonary ventilation and its function.

**Antirequisites:** LSB250  
**Equivalents:** LSB245  
**Credit points:** 12  
**Contact hours:** 4 per week  
**Campus:** Gardens Point  
**Teaching period:** 2010 SEM-2

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**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:** 2010 SEM-1 and 2010 SEM-2

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**PYB054 PSYCHOLOGY AND GENDER**

This unit asks "What is gender?". It includes theories of gender; male and female; masculine and feminine; roles versus power; counselling issues; old and new paradigms; history of psychology of gender; sexuality; mothers and fathers; psychology constructs the female; psychology in patriarchal discourse; family therapy theory and feminist critiques; psychological constructs and the media; film and media; psychology of gender and power.

**Prerequisites:** PYB012, PYB101, PYB102, or PYB100  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1

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**PYB067 HUMAN SEXUALITY**

This unit explores historical approaches to studying, explaining and regulating human sexuality with an awareness of the social nature of definitions of 'normal' or 'acceptable' sexual behaviours. Students critically examine definitions of 'healthy' or 'morally acceptable' or 'normal' sexuality. Different models of sexuality are considered with an emphasis on contemporary critiques of the traditional paradigms of sexuality in the West.

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

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**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.

NOTE for Summer 2010 students:
Students should set aside 2 weeks from Mon 29 Nov – Fri 10 Dec, with the final exam on Monday 13th December. Lectures and tutorials will be on Monday, Tuesday, Wednesday of each week (29 and 30 Nov, 1 Dec, and 6, 7, 8 Dec), with the exam on the last Monday (13th).

**Antirequisites:** PYB012  **Equivalents:** PYB101  **Credit points:** 12  **Contact hours:** 3 hours per week  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-1, 2010 SEM-2 and 2010 SUM-1

**PYB102 INTRODUCTION TO PSYCHOLOGY 1B**
Introduction to Psychology 1B extends the introduction provided in Introduction to Psychology 1A to psychology as the scientific study of human behaviour. This unit introduces students to the basic biological and psychological processes underlying perception, memory, learning, problem solving, consciousness, and language. In addition, research participation experience is provided to the students.  **Prerequisites:** PYB100 or PYB101  **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-2

**PYB110 PSYCHOLOGICAL RESEARCH METHODS**
This unit includes the following: an overview of the purposes and strategies of research; elementary research design; operationalising variables; descriptive statistics; distributions; measures of central tendency and spread; standard scores and percentiles; understanding relationships between variables through correlation and regression; an introduction to hypothesis-testing procedures using t-tests.

NOTE for Summer 2010 students:
Teaching will not commence until January 2011. Lectures - Monday 10 to Friday 21 January on Mon, Wed, Fri, 9.30 – 4.30. Students should set aside the full 2 weeks + 1 day for the unit. Final exam will be on Friday 28 January.

**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.  **Antirequisites:** PYB158  **Assumed knowledge:** Introductory psychology unit and 96 credit points of first year units are assumed knowledge.  **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-1

**PYB202 SOCIAL AND ORGANISATIONAL PSYCHOLOGY**
People are social beings. Their thoughts, feelings and actions are influenced by the real, imagined or implied presence of others. To obtain greater insight into people's behaviour, it is essential to investigate scientifically the relationship between the individual and the group. We will study the effects of the individual within the group and the group within the individual and also consider the influence of these processes in the organisational setting.  **Prerequisites:** PYB100, PYB102 or PYB101  **Equivalents:** PYB205  **Credit points:** 12  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-1

**PYB203 DEVELOPMENTAL PSYCHOLOGY**
This unit provides an introduction to life span developmental psychology. It unit covers the major theories of life span development and includes biological, social and cognitive aspects of development from birth through to old age. It emphasises the interdependency of all aspects of development and the importance of the physical, family, socio-cultural and historical contexts within which development occurs. The unit aims to develop the student's understanding of general patterns of human development and of the ways in which the development of particular individuals and groups may vary from these general patterns.  **Prerequisites:** PYB012, PYB101, PYB102 or PYB100  **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-2

**PYB204 PERCEPTION AND COGNITION**
Cognitive psychology is a major empirical and theoretical area of psychology which explores the processes and structures involved at each stage of information processing within the brain. The structures and processes involved in...
perception provide the brain with its basic information about both the external world and many of the current states of the individual. Higher level cognitive processes and structures provide the foundation upon which more complex aspects of behaviour are based. The unit is placed in second semester of second year so that students following the normal course structure have an adequate background in research design and data analysis.

**Prerequisites:** (PYB100 or PYB101 or PYB102) and PYB110  
**Equivalents:** PYB303  
**Credit points:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-2

### 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:** 2010 SEM-2

### PYB210 RESEARCH DESIGN AND DATA ANALYSIS

This unit takes an hypothesis testing approach to data analysis. This means that statistical analysis is treated as one step in a larger process which also includes formulating theoretically sound predictions, designing a suitable experiment to test the predictions, selecting the appropriate statistics to test the predictions, calculating and interpreting the required statistics, and reporting the outcomes in the correct way. This unit provides the student with the knowledge and skills required to do these tasks with respect to two types of prediction, differences between means and relationships between sets of scores.

**Prerequisites:** PYB110  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1

### PYB215 FORENSIC PSYCHOLOGY AND THE LAW

Forensic Psychology is readily acknowledged as one of the fastest growing areas of psychology in the world. Psychologists are now involved significantly in policing, judicial procedures and correctional processes. By its very nature the study of psychology and law draws from a wide multi-disciplinary base for the application of specialised knowledge. As a student of this discipline area, you will need a broad introductory appreciation of (and a critical perspective on) what the study of psychology and the law involves and what it has to offer across the three criminal justice domains of the police, the courts, and corrections.

**Prerequisites:** PYB012, PYB101, PYB102 or PYB100  
**Assumed knowledge:** 96 credit points of first year units is assumed knowledge.  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Gardens Point  
**Teaching period:** 2010 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.

**Prerequisites:** PYB007 or PYB074 or HHB113 or PYB111  
**Antirequisites:** HHB214 and SWB214  
**Credit points:** 12  
**Contact hours:** 1 week intensive between semesters 1 & 2  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 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 pharmokinetics, 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  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove

### PYB302 INDUSTRIAL AND ORGANISATIONAL PSYCHOLOGY

Participation in the workplace is an integral component in the lives of most people. It is important therefore to understand the behaviour of people, individually and collectively, within the workplace. Industrial and organisational psychologists are concerned with advancing the knowledge of the relationship between people and work, and using this knowledge to promote the effective organisation of human resources.
**Prerequisites:** PYB205 or PYB202  
**Credit points:** 12

**PYB304 PHYSIOLOGICAL PSYCHOLOGY**

This unit aims to provide a broad introduction to the area of neuropsychology and discusses both the clinical and cognitive approaches in the field. Three broad areas are covered: neuroanatomy, neuropathology, the cognitive analysis of resulting deficits. Students learn about major neuroanatomical structures and their interconnections, with an emphasis on how this information is applied in the clinical setting. They also study a number of neuropsychological disorders in terms of their diagnosis, assessment and treatment, as well as the psychosocial effects such deficits have on the patients.

**Prerequisites:** PYB102, PYB101 or PYB100  
**Assumed knowledge:** Successful completion of all first and second year units is assumed knowledge.  
**Credit points:** 12

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

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**PYB306 PSYCHOPATHOLOGY**

The unit provides an introduction to problems in psychological functioning and reviews research and theory relating to the major classes of mental disorder identified in DSM-IV, the diagnostic and classification manual most frequently employed in Australia and the United States. An integrated approach to the understanding of psychopathology is emphasised, highlighting the reciprocal influence of biological, psychological and social factors on behaviour.

**Prerequisites:** PYB012, PYB101, PYB102 or PYB100  
**Assumed knowledge:** Successful completion of all first and second year units is assumed knowledge.  
**Credit points:** 12

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

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**PYB307 HEALTH PSYCHOLOGY**

This unit examines the psychological dimension of physical illness, health, and health care. There is a strong focus on health psychology in an Australian context with particular emphasis on cross-cultural and indigenous health-related issues. The unit examines definitions of health and health psychology; the role of health psychology; the determinants of health behaviours (e.g., cognitive, attitudinal, motivational, personality, social, developmental); medical settings and patient behaviour; patient and practitioner communication; stress, illness, and coping; pain and pain management; chronic and terminal illness in childhood and adulthood.

**Prerequisites:** PYB100, PYB101 or PYB102  
**Assumed knowledge:** Successful completion of all first and second year units is assumed knowledge.  
**Credit points:** 12

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**PYB309 INDIVIDUAL DIFFERENCES AND ASSESSMENT**

Individuals differ on a broad range of characteristics that are influenced by many factors including culture, sex, intelligence, personality, life experiences and values. There are a number of ways, within the discipline of psychology, to conceptualise and explain these differences. In this unit we introduce the major theories that underpin explanations of individual differences and the ways in which those who hold to different perspectives seek to measure the various constructs. Important properties of measurement tools such as reliability and validity will also be covered as well as the utility and applicability of various measures.

**Prerequisites:** PYB100, PYB101 or PYB102  
**Assumed knowledge:** Successful completion of all first and second year units is assumed knowledge.  
**Credit points:** 12

**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1

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**PYB350 ADVANCED STATISTICAL ANALYSIS**

The unit provides students considering further study in psychology with a thorough grounding in analysis of variance techniques, an introduction to multiple regression, and the data analysis tools used in a broad range of research designs in the social sciences. The unit extends the introduction to analysis of variance and regression provided in PYB210, considering more complex designs involving two or more independent variables. The unit is both theoretical (including the use of conceptual formulae to analyse simple data sets by hand) and practical (analysing data sets using the SPSS statistical package), giving students a firm understanding of the principles underlying each analysis.

**Prerequisites:** PYB210  
**Credit points:** 12

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

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**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.

**Prerequisites:** PYB208  
**Credit points:** 12

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

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**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.

**Prerequisites:** PYB208  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 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.

**Prerequisites:** PYB159 or PYB158 or PYB260 or NSB223  
**Credit points:** 12  
**Contact hours:** 1 week intensive between semesters 1 & 2  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-2

**PYB371 INTRODUCTION TO ROAD SAFETY**

This unit introduces the key principles and practices in road safety. Special emphasis is given to the broad context of road use/transport in society and the economic and social implications of road crashes. It introduces the basics of information retrieval, road crash analysis and interpretation, and the strategic development of road safety countermeasures.

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

**PYB372 TRAFFIC PSYCHOLOGY AND BEHAVIOUR**

This unit reviews the wide range of factors that influence the behaviour of road users, particularly those that contribute to the incidence of road crashes or exacerbate their severity. It considers all types of road users, including motor vehicle drivers and passengers, motorcycle riders, cyclists and pedestrians. The student examines a range of theoretical models which have been used to explain the behaviour of road users.

**Assumed knowledge:** Successful completion of all first and second year units is assumed knowledge.  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-2

**PYB374 APPLYING TRAFFIC PSYCHOLOGY**

This unit reviews the various strategies and programs designed to modify road user behaviour. Effective and ineffective approaches are compared, in order to identify the key characteristics of successful programs. While this is a stand-alone unit, it extends many of the theoretical and practical issues covered in PYB372 -Understanding Road User Behaviour.

**Assumed knowledge:** Successful completion of all first and second year units is assumed knowledge.  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-2