Bachelor of Exercise and Movement Science / Bachelor of Behavioural Science (Psychology) (HL24)

Year offered: 2010
Admissions: Yes
CRICOS code: 070079G
Course duration (full-time): 4 years
Domestic fees (indicative): 2010: CSP $2,885 (indicative) per semester
Domestic Entry: February
International Entry: February
Past rank cut-off: 84
Past OP cut-off: 9
OP Guarantee: Yes
Total credit points: 384
Course coordinator: Dr Ian Renshaw (ExMovementSc component); Dr Julie Hansen (Psychology component); enrolment queries to email: enquirieshms@qut.com or phone: 07 3138 4697 OR to email: psyc.enquiries@qut.com or phone: 07 3138 4520.
Campus: Kelvin Grove

Overview
HL24 Bachelor of Exercise and Movement Science/ Bachelor of Behavioural Science (Psychology) will replace HL45 Bachelor of Applied Science (in Human Movement Studies)/ of Behavioural Science (Psychology) from 2010 for all commencing students.

The four-year Bachelor of Exercise and Movement Science/ Bachelor of Behavioural Science (Psychology) combines the knowledge and skills in exercise and movement science and psychology for application in 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 outcomes
Graduates of this four-year program pursue a broad range of careers including those in corporate and community health, wellness and fitness, and sports performance.

Pathways
On completion of the course graduates may apply for admission to a further year of study in either the Bachelor of Behavioural Science (Honours Psychology) or Postgraduate Diploma in Psychology.

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. For this degree this currently involves completing a fifth 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).

Further information
For further information about this double degree, please contact the School of Human Movement Studies - email enquirieshms@qut.com or phone +61 7 3138 4697 - OR the School of Psychology and Counselling - email psych.enquiries@qut.com or phone +61 7 3138 4520

List A - Exercise and Movement Science Electives

<table>
<thead>
<tr>
<th>List A - Exercise and Movement Science Electives</th>
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<tbody>
<tr>
<td>HMB361  Functional Anatomy 2</td>
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<tr>
<td>HMB362  Biomechanics 2</td>
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<tr>
<td>HMB371  Motor Control And Learning 2</td>
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<td>HMB381  Exercise Physiology 2</td>
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List B - Exercise and Movement Science Electives

<table>
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<th>List B - Exercise and Movement Science Electives</th>
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<tr>
<td>Students will elect to undertake one List B elective or a third List A unit</td>
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<tr>
<td>HMB338  Wellness Processes and Strategies</td>
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<td>HMB339  Health and Wellness in Organisations</td>
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<td>HMB347  Performance Analysis</td>
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<tr>
<td>HMB348  Applied Sport and Exercise Psychology</td>
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<td>HMB349  Training and Skill Development in Sport</td>
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Course structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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<tr>
<td>HMB171  Fitness Health and Wellness</td>
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<tr>
<td>LSB131  Anatomy</td>
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<tr>
<td>PYB007  Interpersonal Processes and Skills</td>
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<td>PYB100  Foundation Psychology</td>
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<th>Year 1, Semester 2</th>
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HMB172 Nutrition and Physical Activity  
LSB231 Physiology  
PYB102 Introduction to Psychology 1B  
PYB110 Psychological Research Methods

Year 2, Semester 1
HMB271 Foundations of Motor Control, Learning and Development  
HMB274 Functional Anatomy  
HMB277 Exercise and Sport Nutrition  
PYB202 Social and Organisational Psychology

Year 2, Semester 2
HMB273 Exercise Physiology 1  
HMB282 Resistance Training  
PYB203 Developmental Psychology  
PYB208 Counselling Theory and Practice 1

Year 3, Semester 1
HMB382 Principles of Exercise Prescription  
PYB309 Individual Differences and Assessment  
PYB210 Research Design and Data Analysis  
PYB elective (List C or D)

Year 3, Semester 2
HMB272 Biomechanics  
HMB275 Exercise and Sport Psychology  
PYB204 Perception and Cognition  
PYB elective (List C or D)

Year 4, Semester 1
HMB470 Practicum 1  
PYB304 Physiological Psychology  
Exercise and Movement Science Elective (from List A or List B)  
PYB elective (List D)

Year 4, Semester 2
PYB306 Psychopathology  
PYB350 Advanced Statistical Analysis  
OR  
PYB elective (List D)*

Exercise and Movement Science Elective (from List A or List B)  
Exercise and Movement Science Elective (from List A or List B)  
*PYB350 is compulsory for entry to fourth year programs in psychology for example Bachelor of Behavioural Science (Honours Psychology) and Postgraduate Diploma in Psychology.

List C - Psychology electives
PYB054 Psychology and Gender  
PYB067 Human Sexuality  
PYB159 Alcohol & Other Drug Studies  
PYB207 Psychology in the Community  
PYB215 Forensic Psychology and the Law  
PYB257 Group Work  
PYB371 Introduction to Road Safety

List D - Psychology electives
PYB302 Industrial and Organisational Psychology  
PYB307 Health Psychology  
PYB350 Advanced Statistical Analysis  
PYB356 Counselling Theory and Practice 2  
PYB358 Advanced Developmental Psychology  
PYB359 Introduction to Family Therapy  
PYB360 Interventions for Addictive Behaviours  
PYB372 Traffic Psychology and Behaviour  
PYB374 Applying Traffic Psychology

Health Unit prerequisites/corequisites

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

Potential Careers:
Community Education Officer, Community Health Officer, Counsellor, Director of Health Programs and Services, Health Information Manager, Health Policy Officer, Health Promotion Officer, Policy Officer, Psychologist, Sports Scientist.
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-1

HMB271 FOUNDATIONS OF MOTOR CONTROL, LEARNING AND DEVELOPMENT
This unit introduces students to the behavioural and neural bases of movement control through an examination of the central nervous and neuromuscular systems, hierarchical control, human information processing and dynamical systems. It covers elements of sensory mechanisms related to movement. Foundations of motor learning and adaptation are introduced, linking underlying mechanisms of learning with principles that may be applied in teaching, coaching and rehabilitation. 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: an introduction to principles of psychology 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.
Prerequisites: LSB131  Credit points: 12  Campus: Kelvin Grove  Teaching period: 2010 SEM-2

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

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

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

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

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

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

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

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

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

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

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. 

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

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

PYB207 PSYCHOLOGY IN THE COMMUNITY
The aim of this unit is enable you to develop your work-literacy and work-readiness, by providing opportunities to apply psychological knowledge in workplace contexts, supported by activities that promote critical reflection on your learning and workplace practices. Your participation in this unit requires you to establish, conduct, and complete an approved period of volunteer work or placement.

You maybe asked to produce a Blue Card (suitability for working with children and young people clearance) before commencing your work placement and it is therefore your responsibility to have obtained this clearance prior to commencing your placement.

Prerequisites: PYB203, PYB202 and PYB309 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 PYB209 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 psychological research 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

**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

**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

**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  
**Campus**: Kelvin Grove  
**Teaching period**: 2010 SEM-2

**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

**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

**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

**PYB358 ADVANCED DEVELOPMENTAL PSYCHOLOGY**
In this unit, the focus is on child development, with an emphasis on the infant and the child up to adolescence. Students review images of children and the unfolding of their cognitive abilities within the cadre of theories of cognitive development. Among the areas studied are the nature and development of memory, the development of numerical thinking, and children's ability to understand another's view of the world. In addition to these topics a substantial part of the unit is concerned with the acquisition (both normal and atypical) of language, including the acquisition of language in the bilingual child.

**Prerequisites:** PYB203  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove

**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-1

**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