Honours programs offered in the School

- Psychology honours
- Behavioural Neuroscience honours
- Biomedical Science honours
- Medical Science honours

Psychology Honours

- Designed primarily to prepare students for postgraduate study in research and/or professional practice
- Available in BA(Hons), BSc(Hons), BBNSc(Hons), BPsys(Hons), BPsysScB(Psy)(Hons), plus double degrees with BA or BSc components

Location
- Clayton
- Malaysia (Sunway)
- South Africa
- All on-campus

Duration
- 1 year full time study
- 2 years part time

Eligibility
- Completed Undergraduate degree with 3 year APAC accredited psych major
- Average of 70% min in core 3rd year psych (likely cut-off 75-80%)

Fees
- Commonwealth Supported Places
- International Full Fee

Research Project
- Literature review
- Research paper

Coursework
- Statistics and research design
- Ethical and professional issues
- Psychological assessment
- Elective unit
Psychology Honours: Applications

On-line applications

Part A – contact details and course preferences
Part B – successful applicants only, supervisor allocation


Closing Date: 31 October 2011

International Students

http://www.monash.edu/study/international/apply/

Behavioural Neuroscience Honours

Students choose from the following honours programs (based on their 3rd year studies)

- Advanced behavioural neuroscience (87.5% research project)*
- Psychology
- Biochemistry
- Genetics
- Pharmacology
- Physiology
- Anatomy
- Immunology

*available to all BBNSc students

Behavioural Neuroscience Honours

Entry requirements / eligibility:

- Successful completion of the 3 year BBNSc undergraduate program
- Minimum of 70% across the 4 relevant third year units, e.g.:
  - BNS3021, BNS3052, BNS3062, PHY3111 for Advanced Behavioural Neuroscience**
  - PSY3041, PSY3051, PSY3032, PSY3062 for Psychology Honours

Advanced BNS eligibility

- ALL eligible to apply for Advanced Behavioural Neuroscience (Generic Honours program) by virtue of BNS major
- Average of 70% across 4 x BNS 3rd year units required for entry.
- Can apply for this program AND others, depending on your second 'major'.

Advanced BNS Course Structure

BNS4100 (42 credit point unit – 87.5%)
- Research Projects (35% each) 70%
  - Literature Review 20%
  - Oral poster presentation 10%

BNS4200 (6 credit point unit – 12.5%)
- Statistics and research design
  - RDA (same as PSY Honours)

Bachelor of Biomedical Science (Honours)

School of Biomedical Sciences
Building 13C
Monash University
Clayton Campus
Victoria, 3800 Australia
Telephone: +61 3 9905 1212
Fax: +61 3 9905 9328
Web: www.sci.monash.edu.au

School of Psychology and Psychiatry contact person:
Dr Clare Anderson: Clare.Anderson@monash.edu
The honours degree Bachelor of Medical Science
BMed Sc Course Administrator
Faculty of Medicine, Nursing and Health Sciences
Monash University
Building 15
Clayton Campus
Victoria, 3800 Australia
Telephone: +61 3 9902 0859
Email: bmedsc@med.monash
Web: www.monash.edu.au/bmedsc/

School of Psychology and Psychiatry contact person:
Dr Glenn Melvin: Glenn.Melvin@monash.edu

Honours HQ

Honours: Why Monash?

Clinical Strengths
> 14 Teaching Hospitals
Clinics, including the Clinical Psychology Centre

Research Strengths
Brain development
Mental health
Social Sciences & Health Research

Research Expertise...
Developmental Psychology and Psychiatry
Forensic Mental Health
Human-Animal Interactions
Neuropsychology and Neuroscience

Research Expertise...
Psychological and Behavioral Medicine/Health Psychology and Psychiatry
Schizophrenia and Depression
Sleep and Chronobiology
Social Sciences and Health Research

Karolinska exchange
- Psychology Honours students have the opportunity to undertake their research project at the Karolinska Institute in Sweden
- Complete Honours over 2 years, with the second year spent in Sweden
- Asked for expression of interest in second phase of application process
- Example topic areas:
  - Sleep/shiftwork
  - Cognitive processes & ADHD
  - Emotion and attention/emotional learning

Honours Scholarships at Monash
Faculties: Arts, Education, Science
Faculty of Medicine, Nursing and Health Sciences
University wide

http://www.adm.monash.edu/scholarships/applicants/honours-scholarships.html
Scholarships

How to Apply

Complete and submit application online

www.mrgs.monash.edu.au/scholarships/apply

Closing Date: 31 October 2011

Late life mental health
Prof Daniel O'Connor

Current interests

- Depression in nursing home residents
- Dementia in nursing home residents from non-English speaking backgrounds
- Non-pharmacological treatments of agitated behaviours in people with dementia
- Supporting spouses of nursing home residents with dementia

Centre for Forensic Behavioural Science
Dr Stuart Thomas

- The focus of the work of the members of the Centre is in the areas of:
  - research,
  - teaching/supervision,
  - professional development,
  - practice development, and
  - consultation in forensic behavioural science and forensic mental health.
- A core element of the Centre’s mission is to transfer this academic and clinical excellence into practice in the health, community services and criminal justice sectors.

Developmental Neuroscience and Genetic Disorders
Director, Prof Kim Cornish

- We focus on genetic neurodevelopmental disorders’ trajectories across the lifespan.
- Research that embraces a truly interdisciplinary and developmental approach across multiple disorders (fragile X syndrome, Williams syndrome, Down syndrome)
- Our purpose-built lab employs a range of novel computerised neuropsychological and motor technologies specifically designed to test children with neurodevelopmental disorders across multiple levels (genetic, neural, cognitive, motor).

Research activities and interests:

- Mental illness, offending and victimisation
- Policing and its interface with mentally disordered offenders
- Violence in institutions: assessment, prevention and management
- Risk assessment
- Offender assessment and treatment
- Problem behaviours

In the past few years fourth year students have done projects examining:

- Needs and risk in mentally disordered offenders
- Violence and therapeutic alliance in hospitalised psychiatric patients
- Police contact with vulnerable populations
- Sexual assault
- Drug use and offending
- Youth offending
- Stalking

Several Honours projects available in neurodevelopmental disorders

- Exploring the dynamic interplay across cognitive and motor domains in fragile X syndrome and Williams syndrome
- Enhancing cognitive engagement using computerised technologies to explore cross-syndrome attention and motor profiles

CONTACT Prof Kim Cornish 9902 0488 OR kim.cornish@monash.edu
Monash Epworth Rehabilitation Research Centre  
Prof Jennie Ponsford

- Our research aims to understand how people recover cognitively and emotionally after traumatic brain injury and what facilitates recovery
- Several Honours projects available working with patients with TBI, their families and healthy controls
- Contact: Professor Jennie Ponsford (jennie.ponsford@monash.edu)

Clinical Cognitive Neuroscience Laboratory  
Prof Julie Stout

COGNITIVE FUNCTION IN HUNTINGTON’S DISEASE (HD)
- Neurodegenerative disorder (motor, psychiatric, cognitive impairments)
- No cure or successful treatment
- Ongoing research: Development of tools for sensitive measurement of cognitive function in HD, correlation to other biomarkers such as imaging
  - Use in clinical trials to identify effective treatments
  - Must be valid, reliable, feasible, and sensitive to change
  - Include novel computerised tasks

COGNITIVE MODELS OF DECISION MAKING
- Explore decision making processes in circumstances of risk/uncertainty
- Mathematically break down task performance into components e.g., learning, motivation, impulsivity
- Relevant to clinical populations e.g., drug users, gamblers
- Ongoing research: Healthy; drug using; incarcerated; and gambling populations

Research Capacity/Facilities
- Novel computerised cognitive tasks
- Cognitive modelling expertise
- EEG, TMS facilities
- On campus laboratory space to share with other students and research staff

Potential Projects
- Cognitive modelling of decision making in a drug using population (community-based or from a treatment setting)
- Research on cognitive function in Huntington’s disease using experimental cognitive tasks, new data collection or analysis of existing data

Southern Synergy
Dr Joanne Brooker
Health Services Research Program

Are you a student interested in advanced analytic techniques, prepared to learn a new statistical analysis package, and with an interest in mental health care to populations?

- We have an established research program looking at the epidemiology of health services use in Australia. Using the data file for the 2007 National Epidemiological Survey we could support projects looking at, for instance:
  - Who gets counselling and psychotherapy and how good is the fit with need?
  - What are barriers to getting mental health care?

Mindfulness Research Program

Are you a student with an interest in clinical psychology and the developing role of meditation based therapies?

- We have collected 2-years of longitudinal data on 204 participants - studying relapse of depressive disorders in a randomised controlled trial of Mindfulness-based Cognitive Therapy (www.dare.org.au)
- Within this program there are openings for research taking part in analysis of subgroups based for instance on lifetime history of depression and demographics.
- The data set represents a potentially powerful resource for building understanding of influences of course attendance, meditation practice and consumption of antidepressants as relevant mediating variables

Occupational Mindfulness
- The Occupational Mindfulness program is an adaptation of the Mindfulness-based Cognitive Therapy and Mindfulness-based Stress Reduction programs, for use with employees in the work place.
- There are opportunities to be involved in evaluating outcomes for staff and patients associated with staff participation in this program in Mental Health Services settings.

Social Sciences and Health Research Unit  
Caulfield  
Prof Lenore Manderson

CAM (complementary and alternative medicine) use among people with CVD & DM (CI Manderson)
- 100 interviews and c. 3000 questionnaire returns – state wide – data on quality of life and mental health, ready for analysis and writing
- c. 2000 participants happy to be followed up for further interviews or questionnaire
- subset (400) responded online
- are there links between mental health and wellbeing, and use of diverse practitioners and products?
Experimental Neuropsychology Research Unit

- **Research Project Topic:** Can cognitive strategies improve selective attention in patients with Huntington’s disease?
  - Computer driven experimental paradigm
  - Sample: n=14 patients and n=14 age and sex matched controls (patients already recruited as part of previous studies)
  - Patients will have a neurological assessment and the student will administer a short neurocognitive battery in addition to experimental task
  - Testing will take place either at the home of the participant or at Monash University

CONTACT: 9905 1575 OR nellie.georgiou-karistianis@monash.edu

Experimental and Parenting among Cambodian and Iraqi Australians (CI Manderson)
- Sub-studies with other populations
- Questions around child development, isolation, interventions

Young people, place and belonging (CI Duff)
- Recovery programs and independent living
- Mental health and substance misuse
- Participatory methods

Stroke and Parkinson’s disease (CI Warren)
- Wellbeing and quality of life

Monash Alfred Psychiatry Research Centre (MAPrc)

- **MAPrc** is a clinical psychiatry research centre.
- **We conduct numerous projects with people suffering mental illness such as schizophrenia, depression, bipolar affective disorder, autism and many more.**
- **We are based on level 1, Old Baker Building at The Alfred.**
- **OUR MISSION:** To conduct excellent and world class psychiatry research with equality, respect and understanding.
- **OUR FOCUS:** Develop new treatments and new ways of providing care to people with a mental illness.

Centre for Developmental Psychiatry & Psychology

- **Prof. Louise Newman**
  - Parent-infant interventions
  - Parental risk factors
  - Child abuse prevention
  - Asylum seeker and refugees children and young people
  - Trauma in refugee youth

- **A/Prof. Nicole Rinehart**
  - Clinical and neuropsychological aspects of:
    - Attention Deficit/Hyperactivity Disorder (ADHD)
    - Asperger’s Disorder
    - Autism
Centre for Developmental Psychiatry & Psychology

- Dr. Kylie Gray
  - Developmental Disorders
  - Autism
  - Behaviour and emotional problems
  - Assessment and Diagnosis

- Dr. Glenn Melvin
  - Youth Psychopathology: Phenomenology, Assessment & Treatment
  - Depression
  - School Refusal & Anxiety
  - Trauma
  - Suicide

Monash Sleep Network

- Pathogenesis of sleep disorders
- Novel methods to detect and treat sleep disorders, and to measure drowsiness
- Impact of sleep loss, sleep disorders and circadian disruption on health, safety and performance
- Sleep loss and sleep disorders in children
- Therapeutic potential of light and melatonin
- Mathematical modelling of breathing during sleep
- Sleep-dependent learning and memory consolidation
- Role of sleepiness and fatigue in transport and occupational accidents

Honours with real life impact @ MIRI
Miranda Cornelissen

Multidisciplinary research institute with expertise in organisational, developmental, clinical psychology as well as human factors and statistics.

Themes:
- intentional injury;
- transport;
- home, sport and leisure;
- workplace;
- patient safety;
- injury outcomes;
- and disaster resilience.

Tools and Methods:
- Injury and crash databases
- Surveys
- Driving simulator & instrumented vehicles
- Laboratory-based / naturalistic / field observations

Topics:
- Driver distraction (e.g. mobile phone)
- Older drivers
- Child safety in cars
- Driver behaviour
- Interface design (e.g. police cars)
- Statistics for safety research
- Prevention and intervention programmes (e.g. falls, sports)
- Accident modelling (e.g. outdoor pursuits)
- Task analysis

Faculty of Education information session:

Postgraduate Diploma of Psychology
Thursday 22 September
5-6pm
Lecture theatre R1, building 8