

# PROGRAMS OF STUDY— RESEARCH

## Higher Degree Research Programs

Research degree programs provide a unique opportunity to follow a specific interest in an area of research, to focus on this for several years and make an important contribution to the development of new knowledge in society. Macquarie University provides its research students with the opportunity to work with academics at the international forefront of their fields. Research degrees at both Doctoral and Masters levels are offered in all Departments and professional doctorates are available in psychology, linguistics, professional communication and business administration. Combined degrees are available in psychology.

### *Research Degrees*

- Master of Philosophy
- Doctor of Philosophy

### *Professional Doctorates*

- Doctor of Business Administration
- Doctor of Applied Linguistics
- Doctor of Professional Communication
- Doctor of Psychology (Clinical)
- Doctor of Psychology (Clinical Neuropsychology)
- Doctor of Psychology (Organisational)

### *Combined Research and Coursework Degrees*

- Doctor of Philosophy/Master of Clinical Neuropsychology
- Doctor of Philosophy/Master of Clinical Psychology
- Doctor of Philosophy/Master of Organisational Psychology

In some circumstances applicants may be required to complete a preliminary program of research training or preparation prior to enrolment in their higher degree research (HDR) program. This may occur in situations where an applicant does not have the required qualifications for the degree or where the Division requires prior training. Preliminary postgraduate coursework programs such as Postgraduate Certificates in Research Methods are available for such situations. Please refer to the Divisions sections of this Part of this Handbook for further information.

Candidates in some disciplines may be required to undertake specific coursework or training units to supplement their research work. Successful HDR applicants will be independently advised of this by the relevant Division.

Examination for research degrees is generally by written thesis which must conform to the established University guidelines. The University recognises that theses or parts of theses may be presented in a variety of formats and media, and would normally incorporate a written component. Theses may include, for example, relevant papers (including conference presentations) published or accepted for publication during the period of candidature, together with a comprehensive and critical introduction and integrative conclusion. A candidate may only include published work which is part of the contribution to knowledge of the thesis if the research and publication of the work occurred during the candidature of the degree.

Higher degree research programs may be taken either by full-time or part-time study and arrangements may be made under certain conditions for supervision of research to be conducted by external or distance mode.

The availability of supervision reflects the present research interests of members of academic staff in the various Departments and in the Macquarie research centres. Candidates for research degrees can be accepted only where suitable specialised supervision is available. Candidates are required to approach potential supervisors prior to making application to the University.

Information on the research interests of academic staff members and full details of Macquarie's research centres are available online at:

*Macquarie Divisions and Departments:*  
[www.mq.edu.au/divisions/index.html](http://www.mq.edu.au/divisions/index.html)

*Research Centres at Macquarie:*  
[www.research.mq.edu.au/excellence/research\\_centres](http://www.research.mq.edu.au/excellence/research_centres)

*Concentration of Research Excellence (COREs):*  
[www.research.mq.edu.au/excellence](http://www.research.mq.edu.au/excellence)

For information on the application process please refer to the Higher Degree Research Office website [http://www.research.mq.edu.au/students/new\\_students/](http://www.research.mq.edu.au/students/new_students/).

More specific information on the requirements for completing a HDR program and the support structure Macquarie provides can be found in the *Higher Degree Research Guide for Candidates and Supervisors* at [www.research.mq.edu.au/students/current\\_students/hdrguide](http://www.research.mq.edu.au/students/current_students/hdrguide).

## Master of Philosophy

The Master of Philosophy (MPhil) is an ungraded degree awarded for research that demonstrates that the candidate has made a contribution to knowledge in a particular field of study by presenting new facts or by demonstrating an independent critical ability to evaluate existing material in a new light.

The MPhil program is available in all Departments. The degree requires that a thesis with a maximum word length of 50,000 words be submitted for a written assessment by two examiners external to the University. Before submitting a thesis, all candidates, including external candidates, must have followed an approved program of study and research within the University for a period determined by the Higher Degree Research Committee and normally not less than one year. The program of study may include some coursework and research seminar units and participation in presentations.

In some disciplines further research training or the completion of a preliminary coursework program in research preparation may be required prior to admission. For further information please refer the below section on Pathways to Macquarie Research Programs and to the Division sections of this Part of this Handbook.

**Admission requirements:** To be eligible for consideration for admission to the MPhil an applicant must normally possess a Bachelor degree with Honours Class I or Class II, or other evidence of research ability, from a recognised University or another tertiary institution.

**Length of candidature:** 1–2 years full-time, 2–4 years part-time. The MPhil is a two year equivalent full-time program. The minimum period of candidature for full-time candidates is one year, the maximum period two years. For part-time candidates the minimum is two years, the maximum four years. Full-time candidates are expected to commit a minimum of 40 hours per week on their research study program. Part-time candidates must be able to spend on average throughout the year at least 20 hours a week on their research study program and attend the University on average at least once a week for consultation with their supervisors.

**External candidature:** Available in special circumstances in some disciplines. For further information please refer to the below section on External Attendance and to the Division sections of this Part of this Handbook.

**Tuition fees in 2008:** Domestic candidates are covered by the Commonwealth Research Training Scheme (RTS) and do not pay tuition fees. International candidates are required to pay tuition fees. The annual fee schedule is available in the “Student Information—Research” section of this Part of this Handbook.

## Doctor of Philosophy

The Doctor of Philosophy (PhD) is an ungraded degree awarded for research that demonstrates that the candidate has the capacity to conduct research independently and form a distinct contribution to the knowledge of the subject and to afford evidence of coherence and originality shown either by the discovery of new facts or by the exercise of independent critical power.

The degree requires that a thesis with a maximum word length of 75,000 to 100,000 words (depending on the Department) be submitted for a written assessment by three examiners external to the University. Before submitting a PhD thesis, all candidates, including external candidates, must have followed an approved program of

study and research within the University for a period determined by the Higher Degree Research Committee and normally not less than two years.

A candidate’s program of study must be supervised by an eligible Macquarie academic staff member, and will normally be carried out within the University. There is, however, provision for a candidate to be permitted to carry out much of the program outside the University as an external candidate.

In some disciplines further research training or the completion of a preliminary coursework program in research preparation may be required prior to admission. For further information please refer the below section on Pathways to Macquarie Research Programs and to the Division sections of this Part of this Handbook.

**Admission requirements:** To be eligible for admission a candidate must normally possess either a Masters degree with a substantial research component, or a Bachelor degree with Honours Class I or Honours Class II Division 1 from a recognised University or another tertiary institution.

**Length of candidature:** 2–4 years full-time; 4–8 years part-time. The PhD is a four years equivalent full-time program. The minimum period of candidature is two years and the maximum period is four years for full-time candidates and eight years for part-time candidates. Full-time candidates are expected to commit on average a minimum of 40 hours per week on their research study program. Part-time candidates must be able to spend on average throughout the year at least 20 hours a week on their research study program and attend the University on average at least once a week for consultation with their supervisors.

**External candidature:** Available only in special circumstances in some disciplines. For further information please refer to the below section on External Attendance and to the Division sections of this Part of this Handbook.

**Tuition fees in 2008:** Domestic candidates are covered by the Commonwealth Research Training Scheme (RTS) and do not pay tuition fees. International candidates are required to pay tuition fees. The annual fee schedule is available in the “Student Information—Research” section of this Part of this Handbook.

## Professional Doctoral Degree Programs

Professional Doctorate degrees are rigorous programmes of advanced study and research, designed specifically to meet the needs of industry and professional practice. They provide opportunities for professionals of standing in a relevant profession to develop sophisticated intellectual and applied knowledge and skills to make a difference in their workplace and/or professional context.

The professional doctorates include a coursework component as part of the requirements for completion of the research degree and offer the opportunity for candidates to undertake doctoral level study in the context of their workplace. The degrees focus on research and investiga-

tion into a relevant area of theory, policy practice and the thesis must make a distinct contribution to the improvement of professional practice or policy in the field of study. This generally includes at least one year equivalent of coursework training directly related to the study discipline and acquisition of discipline-relevant research training skills. The programs are usually three years equivalent full-time and the thesis word length depends on discipline requirements. The structure and requirements for these degrees are outlined in the Division sections of Part of this Handbook.

To qualify for the degree the candidate is required to pass each component of the program individually and to complete any coursework or project requirement before submitting the thesis for examination.

The University currently offers professional doctorates in the following areas:

### **Macquarie Graduate School of Management**

Doctor of Business Administration

### **Division of Linguistics and Psychology**

Doctor of Applied Linguistics

Doctor of Professional Communications

Doctor of Psychology (Clinical)

Doctor of Psychology (Clinical Neuropsychology)

Doctor of Psychology (Organisational)

### **Combined Research and Coursework Degrees**

The Department of Psychology in the Division of Linguistics and Psychology offers three combined degree programs:

Doctor of Philosophy/Master of Clinical Neuropsychology

Doctor of Philosophy/Master of Clinical Psychology

Doctor of Philosophy/Master of Organisational Psychology

For details of the programs refer to the Department of Psychology section in this Part of this Handbook and the Department website [http://www.psy.mq.edu.au/courses/c\\_resdeg.htm](http://www.psy.mq.edu.au/courses/c_resdeg.htm)

### **Cotutelle and Joint Doctoral Supervision**

Macquarie is committed to an expansion of its international Cotutelle/Joint Enrolment program and has arrangements in place with a number of European and Asian universities. Macquarie research candidates can enrol concurrently at an overseas institution and are able to conduct research both at home and abroad. Candidates produce a single thesis which is examined in accordance with the requirements of each institution. Eligible candidates are financially supported for this joint enrolment through a Macquarie University Research Excellence Award (MQRES).

### **Pathways to Macquarie Higher Degree Research Programs**

A range of new Postgraduate Certificates and Postgraduate Diplomas in Research methods or preparation is now available for applicants who may not meet the admission criteria and/or do not have adequate research experience or background in their chosen discipline to commence a research degree immediately. Students close to completion of the preliminary program must submit a fresh application for admission to the relevant higher research degree. Applications for preliminary programs are made through the Postgraduate Studies Section for domestic students and through Macquarie International for international students.

Domestic applicants should refer to:

<http://www.postgradandbeyond.mq.edu.au/Coursework/Apply.htm>

International applicants should refer to:

<http://www.international.mq.edu.au>

For information on Pathways to PhD Study refer to:

[http://www.research.mq.edu.au/students/new\\_students/areas/research\\_degrees/research\\_degrees/pathway](http://www.research.mq.edu.au/students/new_students/areas/research_degrees/research_degrees/pathway)

### **External Attendance**

The admission of candidates to undertake research degrees as an external student or by distance mode is possible in special circumstances with the approval of the Higher Degree Research Committee. An external candidate is located interstate within Australia or overseas. The place of study, method of supervision and periods of attendance at the University must be approved by the University. Before admission can be approved, the candidate and the Department in which the student is to be registered must provide detailed information about how the following conditions will be met:

*On-campus attendance:* a minimum of one month per year of equivalent full-time enrolment with an overall minimum of two months for a Master degree and three months for a Doctorate, sufficient part of which must be during the final phase of thesis preparation.

*Place of study:* The place of study and research outside the University must be approved by the Higher Degree Research Committee.

*Adjunct supervisor:* The Higher Degree Research Committee, on the recommendation of the Dean of Division will appoint a person at the place of study as an adjunct supervisor for the candidate, unless the Committee determines, in extraordinary circumstances, that an adjunct supervisor does not need to be appointed.

### **PROFESSIONAL DOCTORATES AND OTHER RESEARCH PROGRAMS**

The University offers professional doctorates in Applied Linguistics, Business, Education, Professional Communication and Psychology. The professional doctorates include a coursework component with course-

work units incorporated as part of the requirements for completion of the research degree. Please see the unit descriptions in Part 3 of this Handbook.

## Doctor of Applied Linguistics

The Doctor of Applied Linguistics is a professional doctorate intended for Australian and overseas practitioners working in language teaching and language teaching program administration. The program provides advanced level academic study of a range of language-related issues through initial coursework, followed by a substantial research component which is supervised and coordinated through a tightly structured program of web-based interaction.

Candidates need to obtain a credit grade average in the coursework units in order to proceed to the research component of the degree.

**Admission requirements:** Master of Applied Linguistics degree or equivalent with a dissertation component or a Bachelor degree with Honours Class I or Class II; at least five years professional experience.

**Length of candidature:** 3 years full-time, 4–6 years part-time. Part-time candidates should enrol in required coursework units to the value of 8 credit points per semester over the first two part-time years.

**Attendance:** Distance mode only.

**Commencement:** July.

**Course requirements:** 10 coursework units, 4 web-mediated research seminars, thesis. Total 96 credit points.

**Tuition fees for 2008:** Please refer to the fees information in the “Student Information—Research” section of this Part of this Handbook.

### Enquiries

**Contact:** Linguistics Higher Degree Research  
**Tel:** +61-2-9850 8749  
**Email:** linghdr@ling.mq.edu.au

### Program structure

#### Required units

LING983	Issues in Applied Linguistic Research
LING984	Qualitative Research Methods in Applied Linguistics
LING985	Text and Discourse Analysis
LING986	Quantitative Research Methods in Applied Linguistics

#### Elective units

Three of the following four credit-point units:

LING900	Grammar, Meaning and Discourse
LING904	Pragmatics
LING906	Language Testing and Evaluation
LING912	Second Language Acquisition
LING918	Concepts in Managing Language Programs
LING938	Curriculum Innovation in Language Teaching

LING947	Discourse in Professional and Organisational Contexts
LING968	Computer-Mediated Communication in Second Language Acquisition

Three of the following two credit-point units:

LING943	Current Issues in Second Language Acquisition
LING944	Current Issues in Language Testing and Evaluation
LING945	Current Issues in Curriculum Innovation
LING991	Current Issues in Discourse and Meaning
LING994	Current Issues in Language Program Management
LING996	Current Issues in Language Teaching and Technology
LING998	Current Issues in Professional Communication

The remaining 64 credit points are the research component incorporating web-mediated seminars, thesis preparation and an 80,000 word (maximum) dissertation.

## Doctor of Professional Communication

The Doctor of Professional Communication is intended for Australian and overseas practitioners and communication specialists working in a range of professions and organisations. It allows candidates to undertake doctoral level study in the context of their own workplaces. Among other specialisations, the doctorate will be directly relevant to communications managers and trainers, HR managers, marketing directors, lawyers, healthcare practitioners, counsellors and social workers, and management level personnel in a wide variety of professional and organisational fields. The program provides advanced level academic study of a range of relevant topics by means of initial coursework, followed by a substantial research component. This is supervised and coordinated through a program of web-mediated seminar interaction and conferencing, followed by a substantial individually supervised research component. Candidates normally need to obtain a credit average in their coursework units in order to proceed to the research component of the degree.

**Admission requirements:** A Bachelor degree with at least Honours Class II Division 1 or an equivalent award or an appropriate Masters degree with research training; ability to demonstrate research potential; at least five years’ professional experience in a communication-related context.

**Length of candidature:** 3 years full-time, 4–6 years part-time.

**Attendance:** Distance mode only.

**Commencement:** March and July.

**Course requirements:** 7 coursework units, thesis. Total 96 credit points.

**Tuition fees for 2008:** Please refer to the fees information in the “Student Information—Research” section of this Part of this Handbook.

### Enquiries

**Contact:** Linguistics Higher Degree Research  
**Tel:** +61-2-9850 8749  
**Email:** linghdr@ling.mq.edu.au

### Program structure

#### Required units

- DPC947 Discourse in Professional and Organisational Contexts  
 DPC948 Evaluating Communication Systems, Processes and Products  
 DPC956 Acquiring Professional Communicative Expertise

#### Either

- DPC971 Research Training in Professional Communication (A) (8 cp)  
 or  
 DPC972 Research Training in Professional Communication (B) (10 cp for students with advanced standing from MACPO)

#### Elective units

Three of the following four credit-point units:

- DPC900 Grammar, Meaning and Discourse  
 DPC967 Researching Professional and Organisational Communication  
 DPC957 Inter- and Intra-cultural Communication  
 DPC958 Professional-Client Communication  
 DPC959 Mediated Communication  
 DPC960 Organisational Communication

The balance (64 credit points) comprises the thesis component. The thesis length is normally between 60,000 and 80,000 words.

### Doctor of Business Administration

The Doctor of Business Administration (DBA) is a full-fee paying professional doctorate degree aimed at management professionals. The program is designed as three years full-time, or one year full-time for the coursework component and four years part-time for the research thesis.

The overall aim of the program is to equip managers and consultants with the skills and knowledge to apply current research methods in their investigation and resolution of organisationally based problems. The DBA program requires a high level of face-to-face interaction between student and supervisor and so is not offered externally. Candidates resident in Hong Kong may undertake the DBA on the local campus of Macquarie University.

**Admission requirements:** A Bachelor degree with Honours Class I or Honours Class II Division 1 or a Masters degree with a substantial research component; a demonstrated capacity to undertake research; a minimum of five years experience in a management situation which provides an opportunity to undertake research in professional practice or policy; three referees reports.

**Length of candidature:** 3 years full-time, up to 6 years part-time.

**Commencement:** First half-year.

**Course requirements:** 4 coursework units (total 32 credit pts), research thesis.

**Tuition fees for 2008:** Please refer to the fees information in the “Student Information—Research” section of this Part of this Handbook.

### Enquiries

Macquarie Graduate School of Management Research Office

**Contact:** Dr Steven Segal, Director of HDR Students, MGSM  
**Tel:** +61-2-9850 9907  
**Fax:** +61-2-9850-9019  
**Email:** steven.segal@mgsms.edu.au

**Contact:** Elizabeth Thomas, Senior Administrator  
**Tel:** +61-2-9850 9038  
**Fax:** +61-2-9850 9942  
**Email:** research@mgsms.edu.au

**Contact:** MGSM Marketing Team  
**Tel:** +61-2-9850 9017  
**Email:** info@mgsms.edu.au

### Program structure

The DBA is an intensive program, one-third coursework and two-thirds research. The four coursework units are completed at the beginning of the program, usually in the first year of enrolment. To enable progression to the thesis component students must maintain at least a credit grade average throughout the coursework component of the degree.

#### Coursework units

- MGSM994 Management Research and Investigation  
 MGSM990 Quantitative Research Methods in Management  
 MGSM991 Qualitative Research Methods in Management  
 MGSM992 Literature Survey and Criticism

### Department of Psychology

Research conducted within the Department by staff and students is recognised at international and national levels, as demonstrated by the large number of staff and student academic publications, external research income earned by Department staff, plus presentations and key-note speeches delivered by staff and students at symposia held within Australia and abroad.

Students can pursue research across various areas including: animal behaviour and cognition, applied cognitive psychology, clinical neuropsychology, clinical psychology, cognitive science, decision making, developmental psychology, emotion and motivation, health psychology, learning theory and its applications, neuroscience, organisational psychology, perception, personal relationships,

personality, psychopathology, physiological psychology, research methods, social psychology, and work and family.

The Department is committed to providing a supportive and stimulating research environment for its research degree students. Full details of staff research interests and facilities are available at <http://www.psy.mq.edu.au/research.php>

### Academic enquiries

**Contact:** Dr Trevor Case  
**Tel:** +61-2-9850 7736  
**Fax:** +61-2-9850-8062  
**Email:** [trevor.case@mq.edu.au](mailto:trevor.case@mq.edu.au)

### Administrative enquiries

Enquiries regarding research component of degrees

**Contact:** Mrs Erin Thatcher  
**Tel:** +61-2-9850 8063  
**Fax:** +61-2-9850 8062  
**Email:** [erin.thatcher@mq.edu.au](mailto:erin.thatcher@mq.edu.au)  
**Web:** [www.psy.mq.edu.au](http://www.psy.mq.edu.au)

Enquiries regarding coursework components of degrees

**Contact:** Mr Marcus Ockenden  
**Tel:** +61-2-9850 8087  
**Fax:** +61-2-9850 8062  
**Email:** [psy.pgofficer@psy.mq.edu.au](mailto:psy.pgofficer@psy.mq.edu.au)  
**Web:** [www.psy.mq.edu.au](http://www.psy.mq.edu.au)

In addition to the Doctor of Philosophy (PhD) and Master of Philosophy (MPhil), the following research degrees are also offered:

### Professional Doctorates

Doctor of Psychology (Clinical)  
Doctor of Psychology (Clinical Neuropsychology)  
Doctor of Psychology (Organisational)

### Combined Research and Coursework Degrees

Doctor of Philosophy/Master of Clinical Neuropsychology  
Doctor of Philosophy/Master of Clinical Psychology  
Doctor of Philosophy/Master of Organisational Psychology

### Doctor of Psychology (All strands)

A program of coursework and research which satisfies the requirements for professional admission to the Australian Psychological Society together with a professional research qualification with candidature of three years full-time or equivalent part-time. There are three streams available in the Doctor of Psychology—Clinical, Clinical Neuropsychology, and Organisational. Course requirements for the three strands are listed below.

Prior to entry to the Doctor of Psychology program, applicants must have satisfactorily completed specified prerequisite units with a minimum number of credit points in the equivalent of the first half-year full-time of a relevant Masters in Psychology degree. Candidates

who have completed equivalent qualifications in a Masters in Psychology at another institution may also be admitted.

Admission will be competitive. In selecting candidates, particular consideration will be given to performance in the Masters coursework units; the quality of the candidate's research proposal; the doctoral referee's report from the academic who agrees to supervise the candidate's doctoral research; and information supplied on a supplementary personal information sheet. A personal interview will also form part of the selection process.

Additional information on selection details and forms required for consideration of applicants for the three strands of the Doctor of Psychology are available from the Department. The Psychology Supplementary Information Sheet is available at <http://www.psy.mq.edu.au> and the Doctoral Referees Report at <http://www.research.mq.edu.au/students/forms>

### Doctor of Psychology (Clinical)

**Admission requirements:** Completion of specified prerequisite units in the Master of Clinical Psychology program with a minimum of 22 credit points of coursework units which must include PSY863 (or PSY967) and PSY933. Master of Clinical Psychology graduates and applicants with equivalent qualifications from other institutions may also be considered.

**Length of candidature:** 3 years full-time, 6 years part-time.

**Attendance:** Full-time or part-time. Some units are offered for all candidates in the day time; others in the late afternoon or early evening. Since units are not repeated separately for part-time students, all intending part-time applicants should be able to obtain leave from their employer for at least one day each week. In addition, part-time applicants must demonstrate availability to complete 1500 hours of supervised placements.

**Commencement:** Second half-year.

**Tuition fee 2008:** Please refer to the fees information in the "Student Information—Research" section of this Part of this Handbook.

### Academic enquiries

**Contact:** Dr Andrew Baillie  
**Tel:** +61-2-9850-9436  
**Email:** [abaillie@psy.mq.edu.au](mailto:abaillie@psy.mq.edu.au)

### Administrative enquiries

Enquiries regarding research component of degree

**Contact:** Mrs Erin Thatcher  
**Tel:** +61-2-9850 8063  
**Fax:** +61-2-9850 8062  
**Email:** [erin.thatcher@mq.edu.au](mailto:erin.thatcher@mq.edu.au)  
**Web:** [www.psy.mq.edu.au](http://www.psy.mq.edu.au)

Enquiries regarding coursework components of degree

**Contact:** Mr Marcus Ockenden  
**Tel:** +61-2-9850 8087  
**Fax:** +61-2-9850 8062

**Email:** psy.pgofficer@psy.mq.edu.au  
**Web:** www.psy.mq.edu.au

### Program structure

10 core (required) units including enrolment in the unit PSY994 Research Thesis which is continuous from program commencement.

Non-core coursework units from the Master of Clinical Psychology program which must generally be completed prior to commencement of core units with the exception of PSY994 in which enrolment is continuous.

Advanced standing exemptions for prior coursework will be given where applicants have completed units in another institution or in an earlier degree. Core units must be completed as part of the DPsych degree and no exemptions will be given for the units marked \*.

#### *Prerequisite units (1st semester in Masters)*

PSY863 Research Design & Evaluation  
 or  
 PSY967 Evidence Based Clinical Psychology  
 plus  
 PSY904 Counselling and Cultural Perspectives  
 PSY961 Advanced Psychopathology  
 PSY962 Psychological Assessment  
 PSY965 Cognitive Behavioural Therapy (1)  
 PSY930 Professional Practice  
 PSY933 Research Proposal  
 PSY994 Research Thesis

#### *Year 1 (2nd or 3rd semester)*

##### *Coursework units*

PSY926 Psychology of Health  
 PSY927 Cognitive Behavioural Therapy (II)  
 PSY928 Psychological Assessment (II)  
 PSY929 Clinical Psychopharmacology  
 PSY966 Neuropsychological Disorders  
 Plus 3 electives

##### *Required units*

\*PSY956 Supervised Internship (I)  
 \*PSY957 Supervised Internship (II)  
 \*PSY994 Research Thesis

#### *Year 2*

##### *Coursework units*

PSY919 Developmental Psychopathology

##### *Required units*

\*PSY897 APA (I) (Research Project)  
 \*PSY958 Supervised Internship (III)  
 \*PSY959 Supervised Internship (IV)  
 \*PSY994 Research Thesis  
 Plus 1 elective

#### *Year 3*

##### *Required units*

\*PSY898 APA (II) (Research Project)  
 \*PSY960 Supervised Internship (V)  
 \*PSY994 Research Thesis

## Doctor of Psychology (Clinical Neuropsychology)

**Admission requirements:** Completion of specified prerequisite units in the Master of Clinical Neuropsychology program with a minimum of 22 credit points of coursework units which must include PSY863 and PSYN825. Master of Clinical Neuropsychology graduates and applicants with equivalent qualifications from other institutions may also be considered.

**Length of candidature:** 3 years full-time, 6 years part-time.

**Attendance:** Full-time or part-time. Some units are offered for all candidates in the day time; others in the late afternoon or early evening. Since units are not repeated separately for part-time students, all intending part-time applicants should be able to obtain leave from their employer for at least one day each week. In addition, part-time applicants must demonstrate availability to complete 1500 hours of supervised placements.

**Commencement:** Second half-year.

**Tuition fee 2008:** Please refer to the fees information in the “Student Information—Research” section of this Part of this Handbook.

#### *Academic enquiries*

**Contact:** Dr Jennifer Batchelor  
**Tel:** +61-2-9850-8012  
**Email:** batchelo@psy.mq.edu.au

**Contact:** Dr Arthur Shores  
**Tel:** +61-2-9850 8071  
**Email:** ashores@psy.mq.edu.au

#### *Administrative enquiries*

Enquiries regarding research component of degree

**Contact:** Mrs Erin Thatcher  
**Tel:** +61-2-9850 8063  
**Fax:** +61-2-9850 8062  
**Email:** erin.thatcher@mq.edu.au  
**Web:** www.psy.mq.edu.au

Enquiries regarding coursework components of degree

**Contact:** Mr Marcus Ockenden  
**Tel:** +61-2-9850 8087  
**Fax:** +61-2-9850 8062  
**Email:** psy.pgofficer@psy.mq.edu.au  
**Web:** www.psy.mq.edu.au

### Program structure

10 core (required) units including enrolment in the unit PSY994 Research Thesis which is continuous from program commencement.

Non core coursework units from the Master of Clinical Neuropsychology program which must generally be completed prior to commencement of core units with the exception of PSY994 in which enrolment is continuous.

Advanced standing exemptions for prior coursework will be given where applicants have completed units in another institution or in an earlier degree. Core units must be

completed as part of the DPsych degree and no exemptions will be given for the units marked \*.

### *Prerequisite units (1st semester in Masters)*

PSY863	Research Design & Evaluation
PSYN803	Neuropsychological Disorders
PSYN804	Neuropsychopharmacology
PSYN805	Case Conference (1)
PSYN821	Psychological Assessment (1)
PSYN824	Neuroanatomy
PSYN825	Research Proposal

### *Year 1 (2nd or 3rd semester)*

#### *Coursework units*

PSYN807	Behavioural Management
PSYN809	Research Seminar (I)
PSYN810	Advanced Psychopathology
PSYN811	Cognitive Neuropsychology
PSYN829	Case Conference (II)
PSYN822	Psychological Assessment (II)
PSYN823	Neuropsychopathology

#### *Required units*

*PSYN815	Supervised Internship (I)
*PSYN816	Supervised Internship (II)
*PSYN817	Supervised Internship (III)
*PSY994	Research Thesis—Continuing

### *Year 2*

#### *Coursework units*

PSYN808	Developmental Neuropsychology
PSYN830	Case Conference (III)
PSYN813	Recovery and Rehabilitation
PSYN814	Research Seminar (II)

#### *Required units*

*PSYN833	APA (I) (Research Project)
*PSYN818	Supervised Internship (IV)
*PSY994	Research Thesis—Continuing

### *Year 3*

#### *Required units*

PSYN831	Case Conference (IV)
*PSYN834	APA (II) (Research Project)
*PSYN819	Supervised Internship (V)
*PSY994	Research Thesis—Continuing

## **Doctor of Psychology (Organisational)**

**Admission requirements:** Completion of specified prerequisite units in the Master of Organisational Psychology program with a minimum of 22 credit points of coursework units which must include PSY863 and PSYO944. Master of Organisational Psychology graduates and applicants with equivalent qualifications from other institutions may also be considered.

**Length of candidature:** 3 years full-time, 6 years part-time.

**Attendance:** Full-time or part-time. Some units are offered for all candidates in the day time; others in the late afternoon or early evening. Since units are not

repeated separately for part-time students, all intending part-time applicants should be able to obtain leave from their employer for at least one day each week. In addition, part-time applicants must demonstrate availability to complete 1500 hours of supervised placements.

**Commencement:** Second half-year.

**Tuition fee 2008:** Please refer to the fees information in the “Student Information—Research” section of this Part of this Handbook.

### *Academic enquiries*

**Contact:** Dr Ben Searle  
**Tel:** +61-2-9850-8066  
**Email:** bsearle@psy.mq.edu.au

### *Administrative enquiries*

Enquiries regarding research component of degree

**Contact:** Mrs Erin Thatcher  
**Tel:** +61-2-9850 8063  
**Fax:** +61-2-9850 8062  
**Email:** erin.thatcher@mq.edu.au  
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Enquiries regarding coursework components of degree

**Contact:** Mr Marcus Ockenden  
**Tel:** +61-2-9850 8087  
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**Web:** www.psy.mq.edu.au

## **Program structure**

9 core (required) units including enrolment in the unit PSY994 Research Thesis which is continuous from program commencement.

Non core coursework units from the Master of Organisational Psychology program which must generally be completed prior to commencement of core units with the exception of PSY994 in which enrolment is continuous.

Advanced standing exemptions for prior coursework will be given where applicants have completed units in another institution or in an earlier degree. Core units must be completed as part of the DPsych degree and no exemptions will be given for the units marked \*.

### *Prerequisite units (1st semester in Masters)*

PSY863	Research Design and Evaluation
PSYO921	Applied Psychology HRM
PSYO930	Supervised Placement(1)
PSYO934	Professional Practice (1)
PSYO940	Psychological Assessment
PSYO944	Research Proposal

### *Year 1 (2nd or 3rd semester)*

#### *Coursework units*

PSYO935	Professional Practice (II)
PSYO936	Professional Practice (III)
PSYO914	Industrial Psychology
PSYO915	Organisational Change and Development

PSYO919 Training in Organisations  
Plus 2 electives

*Required units*

- \*PSYO931 Supervised Internship (II)
- \*PSYO932 Supervised Internship (III)
- \*PSY994 Research Thesis

**Year 2**

*Coursework units*

- PSYO939 Interpersonal Skills in Organisations  
*or*
- PSYO946 Performance Assessment of Organisations  
and Individuals
- PSYO937 Professional Practice (IV)

*Required units*

- \*PSYO947 APA (I) (Research Project)
- \*PSYO933 Supervised Internship (IV)
- \*PSY994 Research Thesis

**Year 3**

*Core units*

- \*PSYO948 APA (II) (Research Project)
- \*PSYO938 Supervised Internship (V)
- \*PSY994 Research Thesis

**Combined Research and Coursework Degrees**

The combined degree provides training in both doctoral level research and professional psychological practice. It is anticipated that part-time teaching will be available to students enrolled in this program. Note that these degrees are developed as combined research/coursework programs, and it is NOT possible for a candidate enrolled in a Combined PhD/Coursework Masters in Psychology to take out the Masters degree separately.

- PhD/Master of Clinical Neuropsychology
- PhD/Master of Clinical Psychology
- PhD/Master of Organisational Psychology

**Admission requirements:** An Honours Class I degree in psychology; normally expected to have a scholarship or equivalent; acceptance for entry to coursework masters; availability of a suitable and willing PhD supervisor.

Applicants for the combined degree must complete a Psychology Personal Supplementary Information form IN ADDITION to the Higher Degree research Application form. The form is available at the HDRO website [http://www.research.mq.edu.au/students/new\\_students/application\\_forms/](http://www.research.mq.edu.au/students/new_students/application_forms/).

**Quota:** It will be possible to admit only a limited number of students. In selecting candidates, particular consideration will be given to information supplied on the supplementary information form discussed above.

**Length of candidature:** 4 years full-time or 3 years full-time plus 2 years part-time under specified conditions.

**Tuition fee 2008:** Please refer to the fees information in the “Student Information—Research” section of this Part of this Handbook.

**Attendance:** Students enrolled in the combined degree will substitute the Research Training in Psychology units (see further information in the Department of Psychology entry, towards the end of this book) in place of the Masters research thesis; and will be required to spread the coursework units as well as the PhD research over four years. Students will be required to attend and present their research at the divisional higher degree research conference each year they are enrolled. Requirements, unit descriptions and other details of the coursework component of the combined degrees are contained in the Psychology Coursework handbook.

*Academic enquiries*

Enquiries regarding PhD/Master of Clinical Neuropsychology

**Contact:** Dr Arthur Shores  
**Tel:** +61-2-9850 8071  
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Enquiries regarding PhD/Master of Clinical Psychology

**Contact:** Dr Andrew Baillie  
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**Contact:** Dr John Franklin  
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Enquiries regarding PhD/Master of Organisational Psychology

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**Email:** bsearle@psy.mq.edu.au

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*Administrative enquiries*

Enquiries regarding research component of degree

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**Fax:** +61-2-9850 8062  
**Email:** erin.thatcher@mq.edu.au  
**Web:** www.psy.mq.edu.au

Enquiries regarding coursework components of degree

**Contact:** Mr Marcus Ockenden  
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**Fax:** +61-2-9850 8062  
**Email:** psy.pgofficer@psy.mq.edu.au  
**Web:** www.psy.mq.edu.au

# DIVISIONS AND DEPARTMENTS— RESEARCH

## Australian Centre for Educational Studies

The Australian Centre for Educational Studies (ACES) is comprised of the Institute of Early Childhood, the School of Education, the Macquarie University Special Education Centre (MUSEC), the Institute of Higher Education Research and Development and the Macquarie ICT Innovations Centre. This combination of expertise and knowledge enables ACES to offer research programs which cover the spectrum of education across the lifespan.

Support for ACES research candidates is available through the Division's Orientation Program, available to research candidates during the first six months (for full-time students) or 12 months (for part-time students) of their candidature. The program's purpose is to enable students to report on their progress, receive advice, and address any potential difficulties in their candidature.

Special forums once or twice a year provide the opportunity for students to present their proposals to a wider audience and meet with fellow research candidates as well as discuss topics such as conference presentations, preparation of a literature review and ethics issues.

ACES offers funding support for purposes such as word-processing, data transcription or to assist researchers to present their findings at an international conference. Full-time doctoral candidates may have a desk in a shared room with access to a computer with internet and email facilities.

### *Academic enquiries*

**Contact:** Associate Professor Manjula Waniganyake  
**Tel:** +61-2-9850 9825  
**Email:** manjula.waniganayake@mq.edu.au

### *General enquiries*

**Tel:** +61-2-9850 8649  
**Email:** postgrad@aces.mq.edu.au  
**Web:** www.aces.mq.edu.au/education

## SCHOOL OF EDUCATION

The School of Education began teaching in 1967 and its ongoing success has been attributed to integration of academic, educational and professional studies to produce teachers of the highest calibre. The School of Education continues to provide high quality coursework and research degrees, designed to equip graduates for effective leadership and research positions in the community.

### *Academic enquiries*

**Contact:** Dr David Saltmarsh  
**Tel:** +61-2-9850 8798  
**Email:** david.saltmarsh@mq.edu.au

### *General enquiries*

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**Web:** www.aces.mq.edu.au/education

## INSTITUTE OF EARLY CHILDHOOD

The Institute of Early Childhood (IEC) has a long and prestigious history of producing graduates qualified to work with children aged from birth to eight years, as well as in policy and management positions. The Institute has a strong focus on excellence in research and scholarship from a variety of theoretical perspectives in education and related disciplines including health, welfare, psychology, law, linguistics and the arts.

### *Academic enquiries*

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### *General enquiries*

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## INSTITUTE OF HIGHER EDUCATION RESEARCH AND DEVELOPMENT

The Institute of Higher Education Research and Development (IHERD) aims to improve our understanding of the nature and development of higher education in Australia, particularly in the areas of learning and teaching; e.learning, research and research supervision; leadership, management and administration. The Institute offers research programs to students interested in studying higher education and higher education development.

### *Academic enquiries*

**Contact:** Professor Stephen Marshall  
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### *General enquiries*

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**Web:** www.aces.mq.edu.au/iherd

## MACQUARIE UNIVERSITY SPECIAL EDUCATION CENTRE

Renowned both nationally and internationally for research and postgraduate teaching in special education, Macquarie University Special Education Centre (MUSEC) invites applications for research programs from graduates and prospective graduates. MUSEC seeks graduates with trained minds who have a genuine interest in special education and a respect for the dignity and rights of all people to learn, regardless of their physical or intellectual disabilities or other special needs. Major research interests of staff can be found at the website at [www.aces.mq.edu.au/musec](http://www.aces.mq.edu.au/musec)

### Enquiries

**Contact:** Ms Sharyn Gilkes  
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**Contact:** Associate Professor Mark Carter  
**Tel:** +61-2-9850 7880  
**Email:** [mark.carter@mq.edu.au](mailto:mark.carter@mq.edu.au)

## Australian School of Advanced Medicine (ASAM)

Research programs available within the Australian School of Advanced Medicine are broadly concerned with central cardiorespiratory regulation and with circulation of blood in the brain and the circulation of fluid (cerebrospinal fluid) around the brain. Additional areas of strength and interest are anticipated over the next two years. Within these specific fields of research, the Division has many areas of technical expertise so that students from many backgrounds may be accommodated. In general, an Honours Class I equivalent grade will be required for admission to the Division's graduate program. There are no specific course prerequisites.

Staff in the Division supervise students at Masters and PhD level. Students enrolled in higher degree research programs in other Divisions (eg Environmental and Life Sciences) can also be supervised within the Division with prior arrangement.

Specific details about areas of strength are available at [www.medicine.mq.edu.au/research.html](http://www.medicine.mq.edu.au/research.html).

Interests include:

- the role the intracellular signaling components of G-protein coupled receptors play in central cardiovascular regulation,
- identification of neurons in the brainstem controlling adrenaline secretion from the adrenal gland,
- cerebrospinal fluid dynamics, arteriovenous malformations and neurosurgical education,
- integration of the various driving forces that determine sympathetic output (for example, emotional state, physical pain, blood gas concentrations, blood-borne hormones and blood pressure) at the single cell level,
- cardiorespiratory integration and the role of neurotransmitters in the brainstem and their role in the control of nerves that control arterial blood pressure and respiration,
- modelling of the cerebrovascular circulation including cerebrovascular and cerebrospinal fluid.

### Enquiries

**Contact:** Professor Paul M Pilowsky,  
Associate Dean  
**Tel:** 9850 4015  
**Mob:** 0431 500 553  
**Email:** [paul.pilowsky@mq.edu.au](mailto:paul.pilowsky@mq.edu.au)

## Division of Economic and Financial Studies

The Division of Economic and Financial Studies attaches great importance to providing a stimulating and supportive environment for research students. There are excellent facilities in the Division for higher degree research (HDR) candidates including shared office accommodation with access to computers, access to the University Library as well as limited funding opportunities for travel to conferences. All Departments have active research programs and welcome applications from both domestic and international candidates.

For more information please refer to the website [www.efs.mq.edu.au/](http://www.efs.mq.edu.au/)

### Enquiries

- Contact:** Associate Professor Melanie Beresford,  
Associate Dean of Research  
**Tel:** +61-2-9850-8491  
**Email:** [melanieb@efs.mq.edu.au](mailto:melanieb@efs.mq.edu.au)
- Contact:** Ms Kerry Todd-Smith, Research Manager  
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**Email:** [ktoddsmi@efs.mq.edu.au](mailto:ktoddsmi@efs.mq.edu.au)
- Contact:** Ms Sumi Pilkington, HDR Administrator  
**Tel:** +61-2-9850-7839  
**Email:** [spilking@efs.mq.edu.au](mailto:spilking@efs.mq.edu.au)

## DEPARTMENT OF ACCOUNTING AND FINANCE

Research interests in the Department of Accounting and Finance cover financial accounting, finance, management accounting, auditing and accounting information systems.

### Enquiries

- Contact:** Professor Neil Fargher  
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**Website:** [www.accg.mq.edu.au/html/doctoral.htm](http://www.accg.mq.edu.au/html/doctoral.htm)

## DEPARTMENT OF ACTUARIAL STUDIES

Research within the Department of Actuarial Studies is very active, investigating specific issues relevant to the field such as longevity and superannuation. Other major areas of research include risk competence, actuarial forecasting, analysis and modelling of demographic trends, impact of genetics and adverse selection in insurance actuarial profession and actuarial education.

### Enquiries

- Contact:** Professor Piet de Jong  
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- Contact:** Ms Maree Moses  
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**Email:** [mmoses@efs.mq.edu.au](mailto:mmoses@efs.mq.edu.au)  
**Web:** [www.acst.mq.edu.au](http://www.acst.mq.edu.au)

## APPLIED FINANCE CENTRE

The Applied Finance Centre was established in 1980 and is the home of the world's largest Masters Program in Applied Finance.

The Centre's PhD program is closely linked with our research agenda. Research interests of the Centre place emphasis on issues in finance that potentially impact the activities of financial institutions, fund managers and corporations. These include areas such as financial and operational risk management, asset allocation, investment performance measurement, corporate finance, project valuation, executive compensation schemes and issues in banking and finance law.

### Enquiries

- Contact:** Associate Professor Rob Trevor  
**Tel:** +61-2-9850 8447  
**Email:** [rob.trevor@mafc.mq.edu.au](mailto:rob.trevor@mafc.mq.edu.au)
- Contact:** Ms Kara Walker, Manager Administration  
**Tel:** +61-2-9850 7209  
**Web:** [www.mafc.mq.edu.au/program.htm](http://www.mafc.mq.edu.au/program.htm)

## DEPARTMENT OF BUSINESS

Research in the Department of Business addresses a broad range of issues, including business, demographics and consumer markets; applied social research; international business and competitiveness; international finance; organisational studies and leadership; knowledge management; labour-management studies and conflict resolution; and human resources management.

### Enquiries

- Contact:** Dr Peter Murray  
**Tel:** +61-2-9850 7787  
**Email:** [pmurray@efs.mq.edu.au](mailto:pmurray@efs.mq.edu.au)
- Contact:** Ms Margaret Wiseman, Departmental  
Executive Administrator  
**Tel:** +61-2-9850 9283  
**Email:** [mwiseman@efs.mq.edu.au](mailto:mwiseman@efs.mq.edu.au)  
**Website:** [www.bus.mq.edu.au/info/research](http://www.bus.mq.edu.au/info/research)

## DEPARTMENT OF ECONOMICS

The Department of Economics conducts research in a wide range of areas including macroeconomics, microeconomics, Asian economies and economic development, history of economic thought, financial economics, econometrics and economic education.

Major areas of current research interest are in macroeconomics and finance include fiscal, industry and inflation policy, financial reform, international economics and finance (including capital markets, taxation, exchange rates, energy markets, commodity futures) competition in

financial markets, financial risk management, and labour market issues.

Microeconomic research includes major projects on the measurement of demand for public outlays, tax policy modelling, the economics of drug abuse, economics of the arts and culture, valuation of the environment and sustainable development and climate change, benchmarking occupational health and safety in aged care, deregulation, productivity and efficiency.

Research on the history of economic thought includes Keynes' thought, the relationship between economics, philosophy and politics, including theories of redistributive justice, and the history of Australian economic thought. The Department is also noted for its research on the Japanese, Vietnamese and Burmese economies. Econometric research includes time series analysis, as well as macroeconomic and microeconomic modelling, index number theory, aggregation, duality, and applied econometrics.

### Enquiries

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Research Administrator  
**Tel:** +61-2-9850 9283  
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**Web:** www.econ.mq.edu.au/research.htm

## DEPARTMENT OF STATISTICS

The Department of Statistics is involved in a wide range of research activities. The Department uses and develop leading-edge software for data analysis, presentation, and web-database engineering.

Current research activities within the Department include medical imaging, mathematical and computational statistics, biostatistics and epidemiology, bioinformatics.

### Enquiries

**Contact:** Associate Professor Andrzej Kozek  
**Tel:** +61-2-9850 8556  
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**Email:** lmooney@efs.mq.edu.au  
**Websites:** www.stat.mq.edu.au/research/research.htm

## Division of Environmental and Life Sciences

The Division of Environmental and Life Sciences places considerable emphasis on interdisciplinary teaching and research, particularly in the areas of atmospheric science, biodiversity, biological chemistry, biotechnology, earth systems science, ecology, geoscience, medical and health sciences, and resource and environmental science and management.

The Division is home to the Departments of Biological Sciences, Chemistry and Biomolecular Sciences, Earth and Planetary Sciences, Health and Chiropractic, Human Geography, Physical Geography and the Graduate School of the Environment as well as a number of centres of research.

Applicants for all Departments in the Division should make contact directly with potential supervisors to discuss research possibilities. Students are not accepted unless members of staff consent to act as supervisors. The Division delivers an induction program that introduces new research students to the research training and facilities available in the various Departments as well as the Division. All Departments interview research candidates on their progress at least once a year and require a seminar presentation annually. Higher degree research candidates enrol in the Departmental training units which support students throughout their candidature. Please note the unit descriptions in the Descriptions of Research Units section of this Handbook.

Full information on staff projects and research interests with additional details of research facilities and support for higher degree research students is available at [www.els.mq.edu.au](http://www.els.mq.edu.au)

### Academic enquiries

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### Administrative enquiries

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## CONCENTRATIONS OF RESEARCH EXCELLENCE (CORES)

The Earth and Planetary Evolution Concentration of Research Excellence seeks to define the processes driving Earth's internal dynamics and to understand how these have generated the present chemical and physical structure of our planet through time. Research interests include rheology of rocks and minerals; geochemical analysis; lithosphere and Earth dynamics; geophysical imaging of Earth's interior; dynamic modelling of Earth's

mantle; isotope and trace element geochemistry; and cosmochemistry and meteoritics.

The Functional Proteomics and Cellular Networks (emerging CORE) is committed to developing future technologies and innovation in the broad field of genomics and proteomics. Research interests include functional genomics and system biology protein-protein interactions; structure-function; biosensors; single molecule detection; and magnetic resonance.

The Climate Risk Concentration of Research Excellence is focusing on the risks associated with climate change in an environment of increasing vulnerability. Its challenge is how to quantify and assess risks arising from climate change and climate variability in key sectors such as water, food, biodiversity, economics, financial markets and national security. The strategy is to use science and impact assessment combined within a framework of economic and financial risk. Research interests include physical hydrology; climate impacts on agriculture; natural ecosystems; environmental adaptation; physical climate systems; and financial risk assessment.

The Ecology and Evolution Concentration of Research Excellence focuses on fundamental research about the world's ecosystems and their evolutionary history. It aims to bridge from gene function to world scales in space and to earth-history scales in time. Special strengths include plant ecological strategies, microbial biodiversity, informatics and modeling, macroecology, the Cambrian radiation, evolution of behaviour, and vegetation futures under climate change. The Ecology and Evolution CoRE is integrated with the Genes to Geoscience Research Centre and with the Vegetation Function Network.

*Genes to Geoscience Research Centre:*  
[www.bio.mq.edu.au/research/g2g/index.html](http://www.bio.mq.edu.au/research/g2g/index.html)

*Vegetation Function Network:*  
[www.vegfunction.net](http://www.vegfunction.net)

## AUSTRALIAN PROTEOME ANALYSIS FACILITY (APAF)

This major national research facility is involved in mass screening of proteins and their post-translational modifications in biological systems including tissues, cells, bacteria and viruses. Postgraduate researchers are involved in its activities through links with Macquarie University Centre for Analytical Biotechnology. For further information see [www.proteome.org.au](http://www.proteome.org.au)

## MACQUARIE UNIVERSITY RESEARCH INSTITUTE OF BIOTECHNOLOGY

The Institute is undertaking research in the following areas: bioprospecting, proteomics, industrial enzymes, vaccines, plant variation, microbial diversity, fluorescent systems, astrobiology, and plant molecular biology. For more information and contact details see [www.biotechnology.mq.edu.au](http://www.biotechnology.mq.edu.au).

## DEPARTMENT OF BIOLOGICAL SCIENCES

Biological Sciences is a multidisciplinary department conducting research on a wide range of contemporary biological problems. Staff collaborate strongly, generating multidisciplinary and innovative research funding. This has been recognised in the proliferation of research grants from both government and industry, special research centres and the many high-quality research publications from the Department. Areas of research strength include molecular biology and biotechnology, environmental sciences, physiology and development, and marine biology.

Other strands of research include: virology, environmental and molecular microbiology, plant and animal physiology, biodiversity, biology of Australian marsupials, animal behaviour, ecology, conservation genetics, human biology, and developmental biology.

### Academic enquiries

**Contact:** Associate Professor Jim Kohen  
**Tel:** +61-2-9850 8138  
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**Email:** [jim.kohen@mq.edu.au](mailto:jim.kohen@mq.edu.au)

**Contact:** Head of Department Office  
**Tel:** +61-2-9850 8179  
**Fax:** +61-2-9850 9395  
**Email:** [hodbiol@rna.bio.mq.edu.au](mailto:hodbiol@rna.bio.mq.edu.au)  
**Web:** [www.bio.mq.edu.au](http://www.bio.mq.edu.au)

## Centre for Biodiversity and Bioresources

The Centre for Biodiversity and Bioresources offers excellent opportunities for postgraduates wishing to carry out research in all areas of biodiversity assessment and monitoring, conservation biology, conservation genetics, and bioresource prospecting. The Centre aims to increase the speed and efficiency of these activities. Novel molecular biological techniques are being applied to detection, in environmental samples, of microbial organisms and genes of potential commercial value. For more information see [www.bio.mq.edu.au/kcbb](http://www.bio.mq.edu.au/kcbb)

## Macquarie University Centre for Analytical Biotechnology (MUCAB)

The Centre provides a focus for interdisciplinary research into biomolecular analysis across the Departments of Biology and Chemistry and Biomolecular Sciences. The Centre has had successful collaboration with industry, involving new instrument developments, diagnostic applications, trouble-shooting for industrial processes and prototyping. Staff supervise many research students. For more information see [www.chem.mq.edu.au/mucab](http://www.chem.mq.edu.au/mucab)

*Academic enquiries*

**Contact:** Dr Louise Brown  
**Tel:** +61-2-9850 8294  
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**Contact:** Dr Robert Willows  
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**Fax:** +61-2-9850 8245  
**Email:** robert.willows@mq.edu.au

## DEPARTMENT OF CHEMISTRY AND BIOMOLECULAR SCIENCES

Research interests of the Department include analytical/bioanalytical chemistry, environmental chemistry, atmospheric chemistry, chemical education, physical/biophysical chemistry, organic/bioorganic chemistry, biological/protein chemistry, structural biology, chemical genomics/proteomics, materials chemistry, theoretical chemistry/bioinformatics, molecular biology/genetics, microbiology, molecular cellular biology, and biotechnology. It is possible to arrange higher degree programs through collaboration with other departments, ranging from biology to geology to physics. Additional information on areas of research interest and details of Departmental facilities are at [www.chem.mq.edu.au](http://www.chem.mq.edu.au)

*Academic enquiries*

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**Tel:** +61-2-9850 8312  
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 Head of Department  
**Tel:** +61-2-9850 8275  
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**Email:** harold.stokes@mq.edu.au

## DEPARTMENT OF EARTH AND PLANETARY SCIENCES

The Department is actively involved in research and has many national and international research collaborations. Research activities range from environmental issues to exploration for natural resources, and to research in crust/mantle evolution, geodynamics and plate tectonics. Additional information on staff research interests and details of Departmental facilities can be found at [www.es.mq.edu.au/geology](http://www.es.mq.edu.au/geology)

The ARC Key Centre for Geochemical Evolution and Metallogeny of Continents performs interdisciplinary and integrated research to interpret the earth's lithosphere as a four-dimensional system (space and time). This links petrology and geochemistry, geophysics, petrophysics and tectonics. Further information is available at [www.es.mq.edu.au/GEMOC](http://www.es.mq.edu.au/GEMOC)

The Macquarie University Centre for Ecostratigraphy and Palaeobiology undertakes research in disciplines intermediate between earth and biological sciences and

chemistry, including aspects of biostratigraphy, palaeontology, palaeobiology, palaeoecology, ecostratigraphy, carbonate petrology, biochronology and exobiology. Further information is available at [www.es.mq.edu.au/mucep](http://www.es.mq.edu.au/mucep)

*Academic enquiries*

**Contact:** Dr Simon Jackson  
**Tel:** +61-2-9850 8368  
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**Contact:** Dr Kelsie Dadd  
**Tel:** +61-2-9850 7763  
**Fax:** +61-2-9850 6904  
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**Web:** [www.es.mq.edu.au/geology](http://www.es.mq.edu.au/geology)

## GRADUATE SCHOOL OF THE ENVIRONMENT

The Graduate School of the Environment conducts and promotes interdisciplinary research dealing with all aspects of the environment. The School encourages the inclusion of environmental considerations in decision-making by government, industry and the community within Australia and internationally. A research participant in the Cooperative Research Centre for Coal in Sustainable Development, the School also hosts the Australian Research Institute in Education for Sustainability. Further information is available at [www.aries.mq.edu.au/index.htm](http://www.aries.mq.edu.au/index.htm). Research on interactions between humans and their environment in the past is conducted by the Western New South Wales Archaeology Program.

*Academic enquiries*

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**Tel:** +61-2-9850 7979  
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**Contact:** Professor Peter Nelson  
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**Email:** peter.nelson@mq.edu.au  
**Web:** [www.gse.mq.edu.au/Research](http://www.gse.mq.edu.au/Research)

## DEPARTMENT OF HEALTH AND CHIROPRACTIC

The Department of Health and Chiropractic aims to actively foster academic staff and postgraduate research particularly in areas of community health, complementary medicine and in areas that support evidence-based chiropractic research and teaching. The Department maintains a diverse range of research interests in such areas as clinical, basic and applied chiropractic sciences and community health. The Department's research profile is growing rapidly and is recognised internationally as a leader in research in chiropractic clinical and related investigations. Health care policy research is an emerging area of research interest with excellent prospects.

### *Enquiries*

**Contact:** Associate Professor Rod Bonello  
**Tel:** +61-2-9850 6383  
**Fax:** +61-2-9850 9389  
**Email:** rod.bonello@mq.edu.au

**Contact:** Ms Karinna Handley  
**Tel:** +61-2-9850 9386  
**Fax:** +61-2-9850 9389  
**Email:** karinna.handley@mq.edu.au  
**Web:** www.chiro.mq.edu.au

## DEPARTMENT OF HUMAN GEOGRAPHY

Staff of the Department of Human Geography includes award winning dedicated teachers with extensive experience in supportive research supervision. Staff research is concentrated in the areas of global economies and cultures, demographic and health changes, especially ageing, resource and environmental management, contemporary urban change, Aboriginal community development, tourism and development, and geographic information systems (GIS). Possibilities for collaborative research in aspects of environmental management and GIS exist with the Department of Physical Geography and the Geographic Information Systems Centre.

The Department of Human Geography is a major contributor to the Centre for Research on Social Inclusion (www.crsi.mq.edu.au) which undertakes interdisciplinary research on empirical and theoretical contemporary social issues.

The Geographic Information Systems Centre supports the research of postgraduate students across the broad spectrum of geographic information systems activities. Support includes provision of research facilities for GIS analyses, maintenance of linkages between the university and the GIS industry, promotion of joint research projects with industry and other major GIS users and encouraging postgraduate students to work independently with the available GIS software.

### *Enquiries*

**Contact:** Executive Officer  
**Tel:** +61-2-9850 8382  
**Fax:** +61-2-9850 6052  
**Email:** humgeog@els.mq.edu.au

**Contact:** Dr Robyn Dowling  
**Tel:** +61-2-9850 7477  
**Fax:** +61-2-9850 6052  
**Email:** robyn.dowling@mq.edu.au  
**Web:** www.es.mq.edu.au/humgeog

## DEPARTMENT OF PHYSICAL GEOGRAPHY

The Department of Physical Geography is active in research in the areas of atmospheric science, oceanography, climate change, climate impacts and air pollution, biometeorology, geographical information systems, geoecology, geomorphology, natural hazards, pedology, quaternary studies and resource and environmental science and management.

The Risk Frontiers—Natural Hazards Research Centre was established to build safer communities through a better understanding of natural perils and their consequences. Risk Frontiers collaborates with industry, government and academic research groups around the world to develop innovative models for hazard, vulnerability and risk assessments. Core funding comes from global companies associated with the insurance industry. Current research focuses on floods, earthquakes, bushfires, volcanoes, hail, storms, landslides and multi-hazard risk assessments.

### *Enquiries*

**Contact:** Dr Paul Beggs  
**Tel:** +61-2-9850 8399  
**Fax:** +61-2-9850 8420  
**Email:** paul.beggs@mq.edu.au

**Contact:** Executive Officer, Physical Geography  
**Tel:** +61-2-9850 8426  
**Fax:** +61-2-9850 8420  
**Email:** pgadmin@els.mq.edu.au  
**Web:** www.es.mq.edu.au/physgeog

## Division of Humanities

The Division of Humanities comprises a broad range of historical, language, literary, legal, music and political studies with a common interest in the analysis of human affairs and culture both in the past and the present.

Candidates enrolling in a research degree in the Division of Humanities participate in a fortnightly work-in-progress seminar. Through half-yearly interviews and work-in-progress presentations, commencing research candidates will receive feedback on their work from a panel of academics in their field. Candidates may also pursue MPhil and PhD degrees through creative-orientated projects.

Candidates undertaking the MPhil or PhD choose a topic of research in consultation with relevant academic staff and will be assigned to a particular supervisor. Some coursework may be required of students, depending upon individual circumstances. Before submitting a formal application, students are advised to contact the relevant academic member to ascertain in which fields supervision is available. For research interests and areas available for supervision consult the Departmental websites for details of areas of staff research. For academic, program and candidature matters applicants should contact the nominated academic staff members in the relevant Department (see below), or if unavailable applicants should contact:

**Contact:** Hannah Choi, Higher Degree Research Administrator  
**Tel:** +61-2-9850 6894  
**Email:** hchoi@humn.mq.edu.au

**Contact:** Associate Professor Marea Mitchell, Director of Higher Degree Research  
**Tel:** +61-2-9850 8754  
**Email:** marea.mitchell@mq.edu.au

The Division is proud to house the Ancient Cultures Concentration of Research Excellence (CORE) with strengths in Egyptology; Roman History, including the Roman East; early Christianity; Late Antiquity and Papyrology. Ancient Cultures is enhancing its existing strengths and developing new programs that link and integrate these areas. Strong skills in ancient languages underpin the research that is conducted with emphasis on cooperative teamwork.

## DEPARTMENT OF ANCIENT HISTORY

The Department houses the Ancient Cultures Concentration of Research Excellence (CORE). The discipline covers a wide range of research fields in the ancient Near East, Archaeology, Christian and Jewish studies, Coptic, Egyptology, Epigraphy, Greek and Roman history, late Roman/Byzantine/Silk Road studies, Numismatics and Papyrology. Candidates are expected to have appropriate ancient and modern language qualifications and/or to include in their programs suitable units

from the postgraduate coursework programs. A thesis in Egyptology requires prior completion of a program equivalent to a Master of Arts in Egyptology by coursework with Minor Research Project (for students who have done Egyptology study at undergraduate level) or the Master of Arts in Egyptology by coursework plus the postgraduate certificate in research methods in the Division of Humanities. Besides attending the divisional postgraduate seminars during the first semester, candidates in their first year are expected to offer a paper at the Ancient History Postgraduate Research Mini-Conference held during the second semester. Candidates in their final year will also be expected to give a paper at this conference.

Supervision for research programs and information on staff interests is available on the website.

### Academic enquiries

**Web:** [www.anchist.mq.edu.au](http://www.anchist.mq.edu.au)

#### *Graeco-Roman*

**Contact:** Dr Stephen Llewelyn  
**Tel:** +61-2- 9850 8843  
**Email:** sllewely@hmn.mq.edu.au

#### *Egyptology*

**Contact:** Associate Professor Boyo Ockinga  
**Tel:** +61-2-9850 8852  
**Email:** bockinga@hmn.mq.edu.au

## DEPARTMENT OF ASIAN LANGUAGES

Supervised research leading to the degrees of MPhil and Doctor of Philosophy is available in both Chinese and Japanese disciplines. Candidates of the Japanese discipline have the option of submitting a thesis in English or Japanese.

### Academic enquiries

**Web:** [www.asianlang.mq.edu.au](http://www.asianlang.mq.edu.au)

#### *Chinese*

**Contact:** Professor Daniel Kane  
**Tel:** +61-2-9850 7692  
**Email:** dakane@laurel.ocs.mq.edu.au

#### *Japanese*

**Contact:** Dr Mio Bryce  
**Tel:** +61-2-9850 7064  
**Email:** mio.bryce@mq.edu.au

## DEPARTMENT OF CONTEMPORARY MUSIC STUDIES

The Department of Contemporary Music Studies has a large and active research program linked to its staff's research, publication and recording activities. Areas being offered include Pacific studies, screen soundtracks, electronic music, South Asian music, Christian music, Vocal studies and Music management.

### *Academic enquiries*

**Contact:** Professor Philip Hayward  
**Tel:** +61-2-9850 9245  
**Email:** phayward@humn.mq.edu.au  
**Web:** www.dcms.mq.edu.au

## DEPARTMENT OF ENGLISH

The Department of English offers a broad range of research directions in literary history, contemporary literary studies, children's literature, drama, and creative writing. Current research interests of staff include English, Australian, and post-colonial literatures; medieval literature; Shakespeare and the Renaissance; Victorian literary cultures; modernist, contemporary, and post-modernist literatures; feminist studies; literary theory; print and visual media in youth cultures; and creative writing. Students may choose to undertake either a research-only thesis or a linked thesis with a creative component (available to suitably qualified candidates in some areas of study).

### *Academic enquiries*

**Contact:** Dr Antonina Harbus  
**Tel:** +61-2-9850 6802  
**Email:** antonina.harbus@humn.mq.edu.au  
**Web:** www.engl.mq.edu.au

## DEPARTMENT OF EUROPEAN LANGUAGES

The research degrees of MPhil and PhD are available in most disciplines. All programs are offered subject to the availability of supervision and intending students are advised to check with the Department of European Languages that supervision is available in their language.

### *Enquiries*

**Web:** www.eurolang.mq.edu.au

#### *Croatian*

**Contact:** Dr Boris Skvorc  
**Tel:** +61-2-9850 7049  
**Email:** bskvorc@laurel.ocs.mq.edu.au

#### *French*

**Contact:** Dr Bert Peeters  
**Tel:** +61-2-9850 7007  
**Email:** bert.peeters@humn.mq.edu.au

#### *German*

**Contact:** Associate Professor Martina Möllering  
**Tel:** +61-2-9850 7012  
**Email:** mmolleri@hmn.mq.edu.au

#### *Italian*

**Contact:** Dr Kerstin Pilz  
**Tel:** +61-2-9850 7025  
**Email:** kpilz@hmn.mq.edu.au

#### *Modern Greek*

**Contact:** Dr Elizabeth Kefallinos  
**Tel:** +61-2-9850 7031  
**Email:** ekefalli@pip.hmn.mq.edu.au

#### *Russian*

**Contact:** Dr Marika Kalyuga  
**Tel:** +61-2-9850 7016  
**Email:** mkalyuga@hmn.mq.edu.au

#### *Spanish*

**Contact:** Dr Estela Valverde  
**Tel:** +61-2-9850 6882  
**Email:** estela.valverde@humn.mq.edu.au

#### *Ukrainian*

**Contact:** Dr Halyna Koscharsky  
**Tel:** +61-2-9850 7034  
**Email:** halyna.koscharsky@humn.mq.edu.au

## ISLAND CULTURES RESEARCH CENTRE

The Island Cultures Research Centre offers supervision in cross-disciplinary island cultures studies in areas such as local cultural production, tourism issues and cross-regional analysis

### *Academic enquiries*

**Contact:** Professor Philip Hayward  
**Tel:** +61-2-9850 9245  
**Email:** phayward@humn.mq.edu.au  
**Web:** www.humanities.mq.edu.au/icrc/

## DEPARTMENT OF MODERN HISTORY

Modern history candidates proceed primarily by thesis. Staff interests cover a variety of themes and issues in current historical practice, including Australian history, Australian society and culture, cultural history, historiography, history of Europe and the West, postcolonial/transnational, women, gender and sexuality, World/Empire and Asian history.

### *Academic enquiries*

**Contact:** Associate Professor Mary Spongberg  
**Tel:** +61-2-9850 8887  
**Email:** mspongbe@hmn.mq.edu.au

## DEPARTMENT OF POLITICS AND INTERNATIONAL RELATIONS

The theoretical and empirical concerns of members of the Department make graduate study possible in a broad range of subject areas. Intending applicants should first discuss possible thesis topics and supervisors with the Department.

*Academic enquiries*

**Contact:** Dr Andrew Mack  
**Tel:** +61-2-9850 8864  
**Email:** [andrew.mack@humn.mq.edu.au](mailto:andrew.mack@humn.mq.edu.au)  
**Web:** [www.pol.mq.edu.au](http://www.pol.mq.edu.au)

**Contact:** Dr Geoffrey Hawker  
**Tel:** +61-2-9850 8885  
**Email:** [ghawker@hmn.mq.edu.au](mailto:ghawker@hmn.mq.edu.au)

**Contact:** Politics Office  
**Tel:** +61-2-9850 8869

## Division of Information and Communication Sciences

The Division of Information and Communication Sciences includes the Departments of Computing, Electronic Engineering, Mathematics and Physics and is home to two of the Macquarie University Concentrations of Research Excellence (CORE). The Laser and Phototonics CORE, across the Departments of Physics and Electronic Engineering, seeks to explore new frontiers of optical science in six inter-related areas: biophotonics, microphotonic optical systems, nano-optics and nanophotonics, photonics sources, optical sensing and imaging, and ultrafast laser applications. See further details at [www.ics.mq.edu.au/research/cla](http://www.ics.mq.edu.au/research/cla).

The Quantum Information Science and Security emerging CORE across the Departments of Physics, Mathematics and Computing is aiming to spearhead collaborative links with key international research groups in software and hardware research in quantum computation and security. Staff with expertise in theoretical quantum information science and computer science/mathematics are developing new applications through research focus on quantum algorithms and single molecule detection and magnetic resonance. See further details at [www.ics.mq.edu.au/qiss](http://www.ics.mq.edu.au/qiss).

There are 17 research groups within the Division, including the multi-university collaboration Centre for Quantum Computing Technology and the Centre for Ultrahigh-bandwidth Devices for Optical Systems which combines the established expertise of researchers at Macquarie with other Australian universities and CSIRO.

Higher degree research candidates in the Division have access to high quality research facilities. The Division provides funds for postgraduate research project costs, including conference travel. In addition to University and/or government scholarships, some postgraduate students may be eligible for top-up scholarships given by industry, CSIRO or the Division. Departmental coursework units provide support and guidance to research candidates. See the unit descriptions in the Descriptions of Research Units section of this Handbook.

*Administrative enquiries*

**Contact:** ICS Student Services E6A Room 202  
**Email:** [enquiries@ics.mq.edu.au](mailto:enquiries@ics.mq.edu.au)  
**Tel:** +61-2-9850 9500  
**Fax:** +61-2-9850 9102  
**Web:** [www.ics.mq.edu.au/research/postgrad/](http://www.ics.mq.edu.au/research/postgrad/)

## DEPARTMENT OF COMPUTING

Research in the field of computing and information technology ranges from theoretical aspects to modelling and system design to applications and their analysis. The Department's areas of research strengths and concentrations, represented by several Centres and active research

groups include the Centre for Advanced Computing in Algorithms and Cryptography, Centre of Australian Category Theory, and Centre for Language Technology. Several members of the Centre for Advanced Computing in Algorithms and Cryptography participate in the ARC Centre of Excellence on Quantum Technology. Members of the Centre for Language Technology play a major role in the ARC Network in Human Communication Science. There are also several established research groups in Information and Networked System Security, Intelligent Systems, Interactive Systems and Virtual Reality Research and Programming Languages.

### Enquiries

**Contact:** ICS Student Services E6A 202  
**Email:** enquiries@ics.mq.edu.au  
**Tel:** +61-2-9850 9500  
**Fax:** +61-2-9850 9102  
**Web:** www.comp.mq.edu.au  
www.ics.mq.edu.au/research/postgrad/

## DEPARTMENT OF ELECTRONIC ENGINEERING

The Electronic Engineering Department at Macquarie is underpinned by world-class expertise in the key area of microelectronics, microwave device, guided-wave optics and photonics, antennas, integrated wireless communication systems, traffic theory, computer network, and error-control coding design. Research funding and support has been attracted from Australia Research Council competitive grants and fellowship schemes, other Government agencies, and local and overseas industry. Research is also conducted in association with university-based Language Technology, Lasers and Applications centres and with the CSIRO ICT Centre, situated close to the Macquarie campus. In collaboration with the Mathematics Department and several companies the department of Electronic Engineering is in the process of establishing a Microwave and Wireless Application Research centre.

In addition, the Department houses five research groups:

*Centre for Electromagnetic and Antenna Engineering:*  
www.elec.mq.edu.au/celane/

*Collaborative Nonlinear Electronics Research Facility:*  
www.elec.mq.edu.au/cnerf/

*Macquarie University Nonlinear Fibre, Laser, and Optics Research Group:*  
www.elec.mq.edu.au/gwopr/index.htm

*Integrated Wireless Communication Systems Group:*  
www.elec.mq.edu.au/wireless/

*Networks and Communications Systems Group:*  
www.elec.mq.edu.au/comms/

### Academic enquiries

**Contact:** Dr Rein Vesilo  
**Tel:** +61-2-9850 9133  
**Fax:** +61-2-9850 9128  
**Email:** rein@elec.mq.edu.au

### Administrative enquiries

**Contact:** ICS Student Services E6A 202  
**Email:** enquiries@ics.mq.edu.au  
**Tel:** +61-2-9850 9500  
**Fax:** +61-2-9850 9102  
**Web:** www.elec.mq.edu.au  
www.ics.mq.edu.au/research/postgrad/

## DEPARTMENT OF MATHEMATICS

Major research interests in the Mathematics Department are in applied mathematics and analysis, category theory, number theory, and mathematical physics. The Department has a high international profile that is supported by several large research grants in Analysis, Applied Mathematics and Category Theory.

The Applied Mathematics and Analysis group's interests cover several aspects of analysis and its applications. Macquarie University Number Theory group members, from both Mathematics and Computing Departments, are engaged in research in analytic, algebraic and computational number theory, as well as related areas in cryptography, complexity and discrepancy theory. The Department of Mathematics houses the Centre for Australian Category Theory (www.ics.mq.edu.au/CoACT) with members from the Computing Department and other universities. The Mathematical Physics group has interest in mathematical and conceptual problems of quantum theories and their connections to modern algebraic and analytic mathematical techniques.

### Academic enquiries

**Contact:** Associate Professor Xuan Thinh Duong  
**Tel:** +61-2-98508948  
**Fax:** +61-2-98508114  
**Email:** duong@ics.mq.edu.au

### Administrative enquiries

**Contact:** ICS Student Services E6A 202  
**Email:** enquiries@ics.mq.edu.au  
**Tel:** +61-2-9850 9500  
**Fax:** +61-2-9850 9102  
**Web:** www.maths.mq.edu.au  
www.ics.mq.edu.au/research/postgrad/

## DEPARTMENT OF PHYSICS

The major research interests of the Department of Physics lie in the areas of astronomy and astrophysics, biophotonics, lasers and photonics, atomic and molecular physics, quantum science and technology, ultraviolet plasma sources, and the physics of semiconductors and materials. Research within the Department is supported by a variety of external and internal grants and excellent facilities including an optical microcharacterisation facility, optical surface profiler, laser micromachining facility and the Macquarie University Observatory, are available to support the research projects.

Biophotonics research includes advanced fluorescence detection techniques and flow cytometry, as well as

development of therapeutic lasers. Applications of lasers and optics include laser material processing and laser cleaning as well as optical source development of novel single photon sources for quantum optics and quantum cryptography, and deep-UV discharge lamps for a range of applications. An innovative program in nitride development has led to a successful spin-off company, and this work is being extended to development of organic semiconductor materials for laser sources and detectors. Multi-disciplinary theoretical research in quantum mechanics and quantum information supports experimental programs in this field at Macquarie and elsewhere. Students' research projects may also be conducted at the Anglo-Australian Observatory and the Australia Telescope National Facility, located nearby. Strong links with other research groups within Australia and internationally and direct contacts with local industry give students a wide range of professional experiences during their study.

### *Academic enquiries*

**Contact:** Associate Professor Judith Dawes  
**Tel:** +61-2-9850 8903  
**Fax:** +61-2-9850 8115  
**Email:** Judith@ics.mq.edu.au

### *Administrative enquiries*

**Contact:** ICS Student Services E6A 202  
**Email:** enquiries@ics.mq.edu.au  
**Tel:** +61-2-9850 9500  
**Fax:** +61-2-9850 9102  
**Web:** www.physics.mq.edu.au  
 www.ics.mq.edu.au/research/postgrad/

## Division of Law

The Division of Law emphasises an interdisciplinary approach to the study of law. Higher degree research programs are offered through the Department of Law, Centre for Environmental Law, Department of Business Law, and the Centre for Comparative Law, History and Governance. The Doctor of Philosophy (PhD) and Master of Philosophy (MPhil) are offered.

Applicants should have completed the equivalent of an Australian undergraduate degree with Honours Class I, including a major research component, or a Masters Degree with a substantial Masters thesis in law or other related disciplines (at least 25% research component). International candidates should also meet English entry requirements of an IELTS rank of 7 or above.

Preference will be given to full-time and internal applicants, who will be able to effectively engage in the mandatory legal research units and be part of the research environment that the Division of Law offers to its candidates. Full-time, internal enrolment ensures maximum exposure to the research expertise of Macquarie Law staff and the support systems available to ensure successful research degree completion. Part-time and/or external applicants may be considered on a case by case basis in exceptional circumstances.

Applicants wishing to be considered for a degree with the Division of Law are required to submit the following documents to the Division of Law Higher Degree Research Administrator:

1. A three to five page research proposal, in line with the Division's research proposal template
2. Curriculum vitae (CV) outlining:
  - a) academic qualifications and grades (copies of transcripts are preferred),
  - b) brief summary of research to date, and
  - c) proof of English proficiency IELTS levels.

Please forward documents to Jacquie Williams, Higher Degree Research Administrator, tel: +61-2-9850 7067, email: jacquie.williams@law.mq.edu.au

An applicant's research proposal and supporting documentation will then be distributed to the academic staff in the field, for their consideration. The applicant will be advised if the application is likely to meet entry requirements and whether to proceed with the application. For detailed information refer to:

*Research in the Division of Law:*  
[www.law.mq.edu.au/html/postgraduate/research.htm](http://www.law.mq.edu.au/html/postgraduate/research.htm)

*Staff and their areas of interest and supervisory details:*  
[www.law.mq.edu.au/html/postgraduate/supervision.htm](http://www.law.mq.edu.au/html/postgraduate/supervision.htm)

Legal research units, LAW901, LAW 902 and LAW 903, must be completed by all candidates in the first two years of candidature. Unit descriptions can be found in the Descriptions of Research Units section of this Handbook.

For all ESL candidates, the Division of Law offers a language program which includes workshops and consultations, to assist candidates with specific writing and language techniques in Law.

The Division of Law also provides a computer research room with internet and email for full-time research students. In addition, assistance with funding for presentation and attendance at conferences and for research expenses is available through the Division to all our research students.

### *Enquiries*

**Contact:** Jacque Williams, Higher Degree  
Research Administrator

**Tel:** +61-2-9850 7067

**Email:** jacque.williams@law.mq.edu.au

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## Division of Linguistics and Psychology

The Division of Linguistics and Psychology provides the ideal environment for cross-disciplinary research in its departments and research centres, and is host to two University designated Concentrations for Research Excellence (CORE).

The Australian Research Council funded Macquarie Centre for Cognitive Science is an internationally recognised research facility in cognitive science and cognitive neuropsychology. Cognitive science is developing new research in learning to read and dyslexia, philosophy related to cognitive science, visual cognition and the genetic basis of cognitive disorders. The Centre is equipped with a brain imaging laboratory using magnetoencephalography (MEG) and is increasing its strength in brain imaging research and how brain processes develop in children. Full details of current research and facilities are available at [www.maccs.mq.edu.au](http://www.maccs.mq.edu.au).

The Animal Behaviour group in the emerging CORE Centre of the Integrative Study of Animal Behaviour is expanding its research interests in evolution of social behaviour. The Centre is seeking to include comparative analysis and neuroethology to explore how events in the world are transduced by sensory systems and processed by the brain to influence whole-organism decision making. Further information on the interests encompassed in the Centre and the facilities are available at <http://galliform.bhs.mq.edu.au/~cisab/>

The Division of Linguistics and Psychology organises an annual conference for PhD students to present their research to peers and staff. This provides students with the opportunity to present their research within a conference environment and sharpen their research focus. Students obtain constructive feedback from peers and staff on their research direction and progress.

## DEPARTMENT OF LINGUISTICS

Linguistics at Macquarie is the largest and most diverse of all such departments in Australia. It has a superior record in attracting and graduating research students from Australia and from a wide range of countries internationally. Such students may be studying on campus, in distance or online mode, or through blended modes of learning. The research themes of the Department include strong engagements with functional grammar, discourse analysis and pragmatics, applied linguistics and language and literacy education (including language testing and program evaluation), lexicography and corpus linguistics, stylistics, psycholinguistics, phonetics and phonology, together with clinically-based work in speech pathology, communication disorders and audiology. These themes have been further augmented by research into workplace-based studies of professional and organisational communication, intercultural communication, sign linguistics and deafness studies, translation and interpret-

ing, first and second language acquisition, and sociolinguistics and bilingualism studies. The Department has well-established and purpose-built clinical facilities in audiology and speech pathology, together with excellent laboratory facilities for speech research, and supports the internationally unique Resources Centre associated with the National Centre for English Language Teaching and Research.

## Research Centres and Groups

There are currently six major research centres and groups within the Department:

*Centre for Language in Social Life:*  
www.ling.mq.edu.au/clsl/index.htm

*Speech, Hearing and Language Research Centre:*  
www.ling.mq.edu.au/shlrc/

*Dictionary Research Centre (incorporating The Style Council Centre):*  
www.ling.mq.edu.au/drc/index.htm  
www.ling.mq.edu.au/centres/sc/index.htm

*Centre for Translation and Interpreting Research:*  
www.ling.mq.edu.au/translation/index.htm

*Applied Linguistics and Language in Education Research Group:*  
www.ling.mq.edu.au/centres/alle/index.htm

*Sign Language Linguistics Research Group*

In addition, the Department maintains a close association with the Macquarie Centre for Cognitive Science and the National Centre for English Language Teaching and Research within the Division of Linguistics and Psychology.

### Academic enquiries

**Contact:** Dr Beth Armstrong  
**Tel:** +61-2-9850 9183  
**Fax:** +61-2-9850 9352  
**Email:** barmstrong@ling.mq.edu.au  
**Web:** www.ling.mq.edu.au

### Administrative enquiries

**Contact:** Robyn Guilmette  
**Tel:** +61-2-9850 8749  
**Fax:** +61-2-9850 9352  
**Email:** linghdr@ling.mq.edu.au

## DEPARTMENT OF PSYCHOLOGY

Research conducted within the Department by staff and students is recognised at international and national levels, as demonstrated by the large number of staff and student academic publications, external research income earned by Department staff, plus presentations and key-note speeches delivered by staff and students at symposia held within Australia and abroad.

Students can pursue research across various areas including: animal behaviour and cognition, applied cognitive psychology, clinical neuropsychology, clinical psycholo-

gy, cognitive science, decision making, developmental psychology, emotion and motivation, health psychology, learning theory and its applications, neuroscience, organisational psychology, perception, personal relationships, personality, psychopathology, physiological psychology, research methods, social psychology, and work and family.

The Department is committed to providing a supportive and stimulating research environment for its research degree students. Full details of staff research interests and facilities are available at [www.psy.mq.edu.au/research.php](http://www.psy.mq.edu.au/research.php)

### Academic enquiries

**Contact:** Dr Trevor Case  
**Tel:** +61-2-9850 7736  
**Fax:** +61-2-9850-8062  
**Email:** trevor.case@mq.edu.au

### Administrative enquiries

Enquiries regarding research component of degrees

**Contact:** Mrs Erin Thatcher  
**Tel:** +61-2-9850 8063  
**Fax:** +61-2-9850 8062  
**Email:** erin.thatcher@mq.edu.au  
**Web:** www.psy.mq.edu.au

Enquiries regarding coursework components of degrees

**Contact:** Mr Marcus Ockenden  
**Tel:** +61-2-9850 8087  
**Fax:** +61-2-9850 8062  
**Email:** psy.pgofficer@psy.mq.edu.au  
**Web:** www.psy.mq.edu.au

## MACQUARIE CENTRE FOR COGNITIVE SCIENCE

Macquarie Centre for Cognitive Science (MACCS) is an internationally recognised research facility in cognitive science and cognitive neuropsychology, initially funded by the Australian Research Council. The Centre is equipped with a variety of laboratories including: a High Performance computational modelling laboratory; an event-related potential (ERP) laboratory; an eye-tracking laboratory; a language acquisition laboratory; and the KIT-Macquarie Brain Research Laboratory, which has the southern hemisphere's only magnetoencephalography (MEG) system for studies of cognitive processes as they unfold in real time in the human brain. The current MEG system will be complemented in 2008 with the world's first MEG system for children to study how such cognitive processes develop in children.

The Centre's aims are to carry out research and research training in cognitive science primarily in three general domains of cognition:

- The language program: research on human language-processing emphasises computational modelling, patterns of language breakdown and language development.

- The visual cognition program: research is conducted on various phenomena associated with the processing of brief visual displays, such as repetition blindness, the attentional blink, and failures of change detection.
- The belief formation program: research takes a cognitive perspective on abnormalities of belief such as delusions and hallucinations.

The major thrust of the MACCS research program is to carry out studies of people with acquired or developmental disorders of one or other of these domains as a way of learning more about the normal processes of cognition.

We are committed to providing a supportive and interactive research environment for all research members, including students. Full details of our staff, students, research projects and facilities are available at [www.maccs.mq.edu.au](http://www.maccs.mq.edu.au)

#### *Academic enquiries*

**Contact:** Professor Max Coltheart, Director  
**Email:** [max@maccs.mq.edu.au](mailto:max@maccs.mq.edu.au)

**Contact:** Professor Stephen Crain, Deputy Director  
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#### *Administrative enquiries*

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**Web:** [www.maccs.mq.edu.au](http://www.maccs.mq.edu.au)

## CENTRE FOR THE INTEGRATIVE STUDY OF ANIMAL BEHAVIOUR

Research supported by the Centre spans temporal and spatial scales. Work on comparative cognition and neuroethology uses natural behaviour as a window on mental processes in humans and other animals. Studies of behavioural ecology are concerned with predator-prey interactions, conflict and mate choice, using a broad array of tools to study the evolution of social behaviour. Several of our current projects involve the exploration of sensory processes and the way in which these have shaped the design of animal signals. A diverse array of species are studied both in captivity and in the wild. A partial list includes terrestrial and marine mammals (hopping mice and seals), monotremes (echidnas), birds (penguins, finches, and fowl), reptiles (lizards), insects (ants, flies, and honeybees), and arachnids (orb-web and jumping spiders). Current field sites include Antarctica, Australia, Canada and Tunisia.

Construction of a dedicated new facility for the study of animal behaviour is due for completion in early 2008. Together with the existing infrastructure, this new development will provide CISAB research facilities unparalleled in Australia.

Full details are available at:  
<http://galliform.bhs.mq.edu.au/~cisab/>.

#### *Academic enquiries*

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**Contact:** Dr Phil Taylor, HDR Studies  
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#### *Administrative enquiries*

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## Macquarie Graduate School of Management (MGSM)

Established as part of Macquarie University in 1969, the Macquarie Graduate School of Management (MGSM) is the longest continuously operating business school in New South Wales.

A key part of MGSM's mission is a vigorous program of research which is considered a vital ingredient in teaching at postgraduate or doctoral levels. The interdependency of research and teaching contributes to the School's offerings in its executive education programs, ensuring that faculty is fully cognisant of the most recent needs, trends and demands of clients in both the private and public sectors.

The School aims to maintain and extend its research profile and research-related productivity through the scholarly activities of publications and funded research, including its range of consulting activities. It endeavours to maintain and develop its record as one of the pre-eminent Management Schools in the country and region by encouraging excellence in management scholarship, research (both pure and applied), and education.

Staff regularly publish their work in books, journals and academic monographs; publish specialist and commissioned reports; widely disseminate research at conferences and seminars, both nationally and internationally; and contribute to public knowledge through the mass media. The critical approach to management and organisation studies ensures the School remains at the cutting edge of the field.

MGSM offers the following programs:

- Doctor of Business Administration (DBA)
- Doctor of Philosophy (PhD)
- Master of Philosophy (MPhil)

### Enquiries

**Contact:** MGSM Research Office  
**Tel:** +61-2-9850 9038 / 61-2-9850 7732  
**Email:** [research@mgsm.edu.au](mailto:research@mgsm.edu.au)  
**Web:** [www.mgsm.mq.edu.au/research](http://www.mgsm.mq.edu.au/research)  
[www.research.mq.edu.au/students](http://www.research.mq.edu.au/students)

## Division of Society, Culture, Media and Philosophy

Higher degree research students in Society, Culture, Media and Philosophy are supported by experienced supervisors, the Postgraduate Support Group and the Divisional commencement program which supplements the University Central commencement program. Each Department offers its own unweighted discipline-specific research training unit with varying content. These units cover the basic protocols of academic research in the discipline, such as the formulation and testing of a hypothesis, literature review, thesis planning and time management. Seminar units combine instruction in research methods and thesis writing with a forum for the presentation of research in progress in some Departments and also consider typical problems facing research students (such as writing block, unrealistic expectations, and inaccessible data) and ways of avoiding or resolving them. Brief descriptions of the research training units can be found in the Descriptions of Research Units section of this Handbook.

The individual supervision sessions guide students in clarifying their own specific research area, in formulating the key problems to be tackled, a realistic schedule for the prosecution of the research, and a literature review. Acceptance into a research degree is dependent on the availability of supervision. Applicants should consult the Division and particular Departmental websites for details of staff research interests and are strongly encouraged to contact Departments prior to making a formal application. Qualifying programs are also available for students without the normal admission qualifications.

For further information please see [www.scmp.mq.edu.au/hdr](http://www.scmp.mq.edu.au/hdr)

## DEPARTMENT OF ANTHROPOLOGY

Ethnographic and cultural research is conducted in Aboriginal Australia, Asia, Europe and Latin America. Of special interest are development studies and applied anthropology, migration and displacement, identity and subjectivity, art and affect, culture and media, health, religion, gender and sexuality studies.

PhD candidates usually spend between 12 and 18 months conducting original field research. MPhil candidates may conduct library or field-based research, with up to six months' fieldwork. Non-traditional projects, eg with a video or creative component, are possible.

### Enquiries

**Contact:** Dr Chris Lyttleton  
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**Web:** [www.anth.mq.edu.au](http://www.anth.mq.edu.au)

## DEPARTMENT OF CRITICAL AND CULTURAL STUDIES

The Department of Critical and Cultural Studies is open to research proposals in any area of cultural studies; critical theory, writing and performance. Its strengths lie particularly in the areas of critical and cultural theory, post-structuralism, gender studies, theories of subjectivity, queer theory, embodiment, touch, visual culture, discourse analysis, popular culture, Asian and Australian cultural studies, digital performance studies, race and ethnicity studies, migration and diaspora studies, and globalisation. Higher degree research students are required to participate in the Departmental seminar unit CUL894 which is described in the Descriptions of Research Units section of this Handbook.

### Enquiries

**Contact:** Associate Professor Nick Mansfield  
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**Fax:** +61-2-9850-6893  
**Web:** www.ccs.mq.edu.au

## DEPARTMENT OF INTERNATIONAL COMMUNICATION

The Department of International Communication offers research programs in a variety of areas. The Department's partners include the Centre for International Communications at Tsinghua University (China), the National Centre for Radio and TV Studies of the Chinese University of Communication (China) and the Faculty of Communication Arts of Chulalongkorn University (Thailand). Applicants should consult the Department website for details of how to proceed with an application. Applicants without a formal background in international communication may be required to take some Masters units in their first year. Candidates report on their project each semester at the Research Student Seminar (see the descriptions of ICOM996 and ICOM997 in the Descriptions of Research Units section of this Handbook) and are encouraged to audit appropriate Masters coursework units.

*List of supervisors and areas of supervision:*  
[www.mucic.mq.edu.au/pg\\_re\\_su.html](http://www.mucic.mq.edu.au/pg_re_su.html)

*List of completed higher degree research projects:*  
[www.mucic.mq.edu.au/pg\\_re\\_li-co.html](http://www.mucic.mq.edu.au/pg_re_li-co.html)

*List of ongoing research projects:*  
[www.mucic.mq.edu.au/pg\\_re\\_li-cu.html](http://www.mucic.mq.edu.au/pg_re_li-cu.html)

### Enquiries

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**Web:** www.mucic.mq.edu.au/pg\_re\_ap.html

## DEPARTMENT OF MEDIA

Research orientations reflect the Department's integrated approach to media theory and production. Supervision by qualified staff is offered for research in two modes: 100% written thesis; or thesis comprising 50% media product with 50% exegesis. Research candidates are supported in methodologies by the seminar unit MAS888 described in the Descriptions of Research Units section of this Handbook.

Please refer to the Department website for further information at [www.media.mq.edu.au](http://www.media.mq.edu.au)

### Enquiries

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## DEPARTMENT OF PHILOSOPHY

The Department of Philosophy offers expert supervision in areas, including philosophical logic, philosophy of science, metaphysics, philosophy of mind, 19th and 20th century European philosophy, aesthetics, feminist philosophy, ethics and applied ethics, political philosophy, and social philosophy.

Throughout their candidature, PhD and MPhil candidates are required to participate in PHIL896 Philosophy Postgraduate Research Seminar. At the end of the first six months of candidature, progress is formally reviewed. In addition all students participate in formal annual reviews which provide an opportunity for them to discuss supervision with other members of staff to ensure work is progressing satisfactorily.

### Enquiries

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**Contact:** Ms Clara Wong  
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**Email:** philos@scmp.mq.edu.au  
**Web:** www.phil.mq.edu.au

## DEPARTMENT OF SOCIOLOGY

The Department's areas of research specialisation cover a wide field and include governance, social policy and the policy process, social and political theory, the life course (youth, adulthood and age), gender and sexuality, culture, media and the arts, economy and society, and sociology of work. Sociology also has a strong interest in interdisciplinary education and candidates wishing to do a research degree linking sociology to some other area (such as Women's Studies, Aboriginal Studies, Politics or Law) are encouraged to explore the possibilities.

Sociology entrants are normally expected to hold a good Honours degree in sociology, or in another social science (eg anthropology, history, mass communication, philosophy, politics, psychology) with a strong sociological component. Prospective candidates are strongly advised to approach both the Convenor of Postgraduate Studies in sociology and potential supervisors before making their application to the University.

### *Enquiries*

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**Web:** [www.soc.mq.edu.au](http://www.soc.mq.edu.au)

## **WOMEN'S STUDIES**

Research degrees in women's studies are available through the Division at Masters or Doctoral level. The women's studies programs allow you to pursue studies across several fields, including: sociology, media studies, literary theory, linguistics, cultural studies, gay and lesbian studies, communications theory, anthropology, psychology, history, politics, philosophy, indigenous studies.

Current research interests of associate staff can be found under Departmental websites. Please contact the Division for advice if you have not identified a supervisor.

### *Enquiries*

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**Web:** [www.iws.mq.edu.au](http://www.iws.mq.edu.au)

## **CENTRE FOR RESEARCH ON SOCIAL INCLUSION**

The Centre for Research on Social Inclusion undertakes cultural, social and philosophical research into ideas and processes of social inclusion and exclusion. The Centre is committed to interdisciplinary research that is both socially relevant and theoretically innovative.

There are currently five research clusters within the Centre: migration, multiculturalism and nation; critical theory and social hope; inclusion and exclusion in urban and regional spaces; the postcolonial world and globalisation; and welfare, care and social policy. Postgraduate students are active participants in the clusters and are able to benefit from regular seminars, workshops, conferences, and other research events.

### *Enquiries*

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**Web:** [www.crsi.mq.edu.au/index.htm](http://www.crsi.mq.edu.au/index.htm)