

SERVICES AND RESOURCES

Student Enquiry Service

The student enquiry service is the first point of contact between the University and all undergraduate and post-graduate local students. The Service provides high quality service to prospective and currently enrolled students on all administrative matters arising during their course of study. This includes but is not limited to:

- applications
- enrolments
- issue of academic transcripts
- transport concessions, etc.

The Student Enquiry Service is located on the ground floor (Level 1) of the Lincoln Building, and staff are available to assist you either in person, by email: sesinfo@mq.edu.au or by calling (02) 9850 6410.

The Student Enquiry Service is open:

Monday, Tuesday, Thursday 8.30am to 5.30pm

Wednesday 9.30am to 5.30pm

Friday 8.30am to 4.30pm

Additional information can be found at:
www.student.mq.edu.au/ses/

Student Financial Services

The Office of Financial Services provides the services of a Cashier in the Student Centre. The Cashier's counter is open from 9.00am to 5.00pm on weekdays for payment of library fines, housing, student loans, various application fees and debts. Parking stickers are sold at the Cashier. Initial enquiries about fees and library fines can be made to the Cashier.

Support Services

Support Services offers services in regards to accommodation, career development, counselling, medical, equity and welfare needs.

The counselling service provides free confidential short-term counselling to students and staff at Macquarie University. Students and staff are able to discuss issues that may be of concern, which may include aspects of university life, academic progress, work or personal difficulties. In addition to individual counselling, special programs are offered in the areas of personal skills development. The counsellors are professionally qualified psychologists and social workers. All consultations are free and confidential.

The Employee Assistance Program (EAP) is a free and confidential service for Macquarie University staff, offering assistance through consultation with counsellors.

The Medical Service provides a full range of services to students and staff of the University, most of which are bulkbilled.

The Equity Support Unit [ESU] provides support and assistance to students with a disability or health condition. Such students are strongly encouraged to make contact with the ESU at their earliest opportunity on enrolling in the University. For further information phone: (02) 9850 6494/7497; TTY: (02) 9850 6493; email: equity@mq.edu.au; www.sss.mq.edu.au/equity/

The Welfare Service provides an information, support and referral service to students and staff on issues such as:

- tenancy and accommodation
- budgeting
- Centrelink entitlement
- access to legal services
- health promotion and information (ie sexual health, drugs and/or alcohol, health and wellbeing etc)

All consultations are free and confidential.

The Welfare Service can be contacted by phone: (02) 9850 6496/7497; email: welfare@mq.edu.au. Further information is available at www.sss.mq.edu.au/welfare/

The Career Development Office (CDO) supports the strategic goals of the university by developing students who are ready to launch and progress their careers on a global platform. The CDO provides programs and services that help students to make informed career choices, access resources and employment opportunities.

The Office offers online a two-credit point elective unit, ECDO200 Careers and Work, in Semester Two. In addition, an extensive program of skills development prepares students for entry to jobs.

The Career Resource Centre presents information on careers, employment and further education options. Students are able to access full-time career, casual, part-time and vacation employment through our website.

The CDO facilitates meetings with employers and professional organisations keen to recruit students through the annual graduate recruitment fairs, employer presentations, career seminars and on campus interviews.

The Office is located on Level 2 of Building C8A and is open to clients week days from 10am to 5pm during semester. For further information please contact the Office on (02) 9850 7372; fax (02) 9850 7388 or email careers@mqw.edu.au

Counselling, medical, equity, welfare and career development services are located on Level 2 of the Lincoln Building (C8A).

For further information see www.sss.mq.edu.au

Chaplaincy

The University is a community which, like any other community, reflects the personal, intellectual, social and spiritual dimensions of life. In this context, the University offers staff and students the opportunity to seek the assistance of Chaplains.

The Chaplains provide the University with a range of valuable services. The services are provided through the funding provided by recognised religious and community organisations.

These services include:

- crisis counselling;
- community building;
- mentoring;
- spiritual direction;
- interaction with influential groups outside of campus;
- vocational development.

The Chaplaincy is a diverse group of representatives from many faith traditions serving the University, its students and staff with a wide range of expertise and experience. Respect and constructive engagement are key values expressed within the Chaplaincy.

Location

The Chaplaincy Centre is located in the C9B cottage, next to the National Bank.

General Enquiries

Geoff Folland Co-ordinating Chaplain
ph: (02) 9850 7645;
email: geoffolland@studentlife.org
or further information is available at:
www.mq.edu.au/chaplaincy

Chaplains

Anglican	Rev Scott Blackwell Robert Menzies College PO Box 1505 Macquarie Centre NSW 2113; ph: (02) 9936 6521, 0411 085 396; email: scott.blackwell@rmc.nsw.edu.au
Baha'i	Chris Jones ph: (02) 9850 7670; email: chris.jones@law.mq.edu.au
Baptist	Vacant
Buddhist	Venerable Tsang Hui c/- Hwa Tsang Monastery 29 Mackenzie St Homebush West 2140; ph: (02) 9746 6334

Catholic	Andrew Wood ph: (02) 9850 7644; email: awood@laurel.ocs.mq.edu.au
Christian Brethren	Geoffrey Folland ph: (02) 9850 7645, 0402 115 461; email: geoffolland@studentlife.org
Christian City Church	Pastor Tim Madden Level 1, 142-148 Coxs Rd North Ryde 2113; ph: (02) 9086 6900; fax: (02) 9086 6950; email: timmadden@cccryde.com.au
Greek Orthodox	Fr Stavros Karvelas St George Church 90 Newcastle St Rose Bay 2029; ph: 0417 450 520; email: sskarvelas@bigpond.com
Jewish	Tahlia Berger Shalom College UNSW 2052; ph: (02) 9931 9698; fax : (02) 9313 7145; email: tahlia@hillel.com.au
Latter Day Saints	Mr Michael Carthew PO Box 2723 Carlingford Court 2118; ph: (02) 8838 3600; fax: (02) 8838 3650; email: carthewmj@ldschurch.org
Presbyterian	Rev Richard Quadrio 2 Herring Rd Eastwood 2122; ph: (02) 9878 8048; email: quadrio@maconline.com.au
Uniting Church	Rev Rod Pattenden PO Box 225 Epping 2121; ph: (02) 9850 7597, 0418 861 267; email: pattenden@bigpond.com

Indigenous Support Services

Specific support services are provided to Aboriginal and Torres Strait Islander students through Warawara — Department of Indigenous Studies in the Division of Society, Culture, Media and Philosophy. The University is actively committed to encouraging participation by Indigenous Australian students in both the degree programs as well as the two residential programs specifically for Indigenous students. These are the Bachelor of Teaching (Early Childhood Services) and the Bachelor of Community Management. Regarding these programs Warawara not only provides teaching, but organises student travel and accommodation.

Warawara's support infrastructure is designed to facilitate the participation and success of Indigenous Australian students within all programs of the University. Warawara provides support to all Aboriginal and Torres

Strait Islander students enrolled at the University who require academic and cultural support. In particular, Warawara administers the Indigenous Tutorial Assistance Scheme (ITAS), which is a Commonwealth program providing individual tutorial assistance to Aboriginal and Torres Strait Islander students. Warawara also maintains a computer laboratory which is available to all Australian Indigenous students enrolled at the University.

Students and prospective students are invited to contact Warawara for information about courses and services; ph: (02) 9850 8893 or toll free: 1800 066 465.

Financial Assistance

Loans from the University

All students at Macquarie University are eligible to apply for a loan under a set of guidelines approved by the University Council. Personal loans may be made available to meet expenses such as accommodation, subsistence, books, computers and other expenses necessary for attendance and study at Macquarie University. These loans are repayable by instalments prior to completion of studies and may be subject to an interest rate. In addition, grants may be made available to students who are affected by exceptional circumstances. Information concerning loans and grants may be obtained from Support Services or the Loans Officer in the Office of Financial Services. Application for loans must be lodged with the loans officer, from whom application forms can be obtained.

Other Financial Assistance

Other financial assistance is available including Commonwealth Government allowances, bursaries, scholarships, and other awards.

Macquarie Transition Program

The Macquarie Transition Program provides a number of services relating to the transition for students to university. It is based on research at Macquarie University and other international and Australian sources which identify the importance of the first year experience in successful tertiary study.

Academic Orientation

The Macquarie Transition Program assists students as they begin study at Macquarie. It offers Academic Orientation days at the beginning of each semester for new undergraduate and postgraduate students. The undergraduate program includes sessions writing at university level, information about on-line learning, presentations by library staff on the services of the library and other information useful to new students as they make the transition from school, TAFE, work or home to university study. Because these Orientation sessions are organ-

ised according to Division, students get the opportunity to meet staff and other students from their area of study, which helps them start the semester with some knowledge of the people with whom they will be associating. In addition library and campus tours are conducted to familiarise students with their new environment. See also Mentors@Macquarie.

A school visit program is also offered to bring transition issues to the attention of students, teachers and parents.

The postgraduate program focuses on relevant issues such as writing, researching, library resources, using online learning and other services provided for postgraduate students.

Forums and Conference

Research forums that feature Macquarie-based research are arranged for Macquarie staff, other universities and interested Partner Schools. A conference on current first year experience and transition issues is held biennially.

Enquiries

The Transition Program office is located on Level Two of the Lincoln Student Services Building and is open office hours. Further information can be found at www.mq.edu.au/transition with links to other university sites for prospective and current students, schools, parents and university staff or contact the program on (02) 9850 8636 or email: transition@mq.edu.au.

Mentors@Macquarie

Mentors are second year (or above) students who want to meet with and pass on their knowledge of university life and study to new students. Mentors come from all departments and attend Orientation Days to answer questions, take tours of all the places new students need to know about in their first weeks and beyond and generally assist new students to feel more comfortable on campus. Mentors will contact their mentees in the first weeks to see how they are going and to offer any assistance or advice (or just for a friendly chat).

Apart from providing valuable assistance to commencing students, mentors are given training and a Certificate of Participation. These are both useful additions to the skills acquired while studying, as mentoring is very much part of the world beyond university. In addition to being fun, and providing an opportunity for meeting new people, mentoring is a valuable skill to acquire.

Enquiries

If you are a first year student and would like to contact a mentor or if you would like to be a mentor please contact Sandie Rudman, Mentor Program Coordinator, Macquarie Transition Program on 9850 8636 or email: transition@mq.edu.au.

Writing Skills Program

The Writing Skills Program offers undergraduate students a number of opportunities to improve their writing strategies.

A pre-session seminar on “essay writing at University” is held as part of the orientation program for new students in February/March each year.

Two short (five week) courses are available to both day and evening students during semester teaching weeks 6-10 of each semester. The courses cover different areas of academic writing techniques as follows:

Course 1: Academic Writing: Strategies and Structures (weeks 6-10 of semesters 1 and 2): organisation of essays, reports and other written assignments: devising thematic answer to the topic; structuring material in support of your themes; exposition and argument; use of paraphrasing; references, plagiarism and the use of sources.

Course 2: Academic Writing: Expression (weeks 6-10 of semesters 1 and 2): issues of grammar and expression: word choice; sentence formation; cohesion within the sentence and paragraph; punctuation.

Individual consultations with a Writing Skills Adviser are available during most weeks throughout the academic year. For an appointment, contact the Centre for Open Education, ph: (02) 9850 7470.

Enquiries

Contact Ms Sue Spinks, Writing Skills Coordinator, Department of Linguistics, ph: (02) 9850 8770; or the Linguistics Undergraduate Enquiry Office, C5A 508, ph: (02) 9850 8740.

English for Academic Purposes

CAPP Courses for Credit

CAPP100 (3 credit points) aims to introduce students with language backgrounds other than English to critical reading and to the conventions of writing in academic disciplines. It focuses on the analytical and organisational skills needed to carry out writing tasks.

Enquiries

Contact Ms Jean Brick, EAP Coordinator, Department of Linguistics, ph: (02) 9850 9936, email: jean.brick@ling.mq.edu.au.

Linguistics Undergraduate Enquiry Office: C5A 508, ph: (02) 9850 8740.

Other courses

In addition to CAPP100, the EAP unit presents a number of workshops aimed at students from non-English speaking backgrounds who are undertaking postgraduate study. Details of this program are available from the EAP coordinator at the beginning of each semester, and are posted on the Linguistics Department website.

Pre-Sessional English Courses (ELICOS)

The National Centre for English Language Teaching and Research (NCELTR) offers intensive English courses for international students who need to improve their English skills before commencing undergraduate or postgraduate programs. Courses are of five to 40 weeks' duration, and range from beginner to advanced level of proficiency.

General English is for beginner to intermediate learners and combines speaking, listening, reading and writing skills development in everyday communication contexts.

English for Academic Purposes focuses on developing students' academic language and study skills and helping them to become independent and confident communicators in the University environment. Students completing NCELTR's IELTS Preparation course, and achieving an IELTS score of overall Band 6.5 (with Band 6 in all other skills) in the IELTS test, gain entry to Macquarie University.

An alternative pathway to university is through one of NCELTR's Direct Entry programs: Accounting Preparation Program (APP), Business Preparation Program (BPP), Business Preparation Program for Applied Finance (BPPF), English for Business and IT (EBIT), Translation and Interpreting Preparation Program (TIPP), and the Direct Entry English Program (DEEP). These are discipline specific courses which develop the skills (such as critical thinking, academic writing and oral presentations) that students need for undergraduate and postgraduate study. APP is an alternative for those students who have an Offer of Enrolment to the Postgraduate Diploma or Master in Accounting, BPP is designed for students who have an Offer of Enrolment for a course in Business or Commerce, BPPF is designed for students who have an Offer of Enrolment for a course in Master of Applied Finance, EBIT for students who have an Offer of Enrolment for a course in IT, TIPP for student who have an Offer of Enrolment in the Postgraduate Diploma in Translating and Interpreting or Master Translating. DEEP is for those students who have an Offer of Enrolment in any other area of study, such as humanities or science.

Each course includes guided self-study in the Independent Learning Centre (ILC) and regular consultations with class teachers.

NCELTR is also a major Australian IELTS testing centre and IELTS tests are conducted on campus at regular intervals throughout the year.

Enquiries

Information Officer, English Language Programs, NCELTR, E3B, tel: (02) 9850 7667; fax: (02) 9850 8129; email: elp-nceltr@mq.edu.au; web site: <http://www.nceltr.mq.edu.au/elp>.

Introductory Mathematics Courses

Introductory Mathematics courses are offered by the Learning Centre for Numeracy Skills. The Centre provides individual and small-group assistance to students who need learning support in numeracy-related areas. For students wishing to upgrade their mathematical skills through independent study, the Centre is able to recommend a self-study course. Given interest and demand from students, the Centre may also run workshops. The Centre is open Monday to Friday at set hours during the term, when staff are available for free consultation; timetables may be obtained from the Centre or from the Numeracy Centre home page at <http://www.maths.mq.edu.au/numeracy>. Students are encouraged to drop in for assistance or to use the Centre and its reference material for study purposes.

In addition to the above-mentioned assistance, the Centre will also offer the following courses in 2008. All prices quoted are inclusive of GST.

Review Session in Basic Mathematics

A three-hour review session on basic mathematics, up to the level of early high school maths, will be held on Saturday 1 March from 10.00am to 1.00pm. The material covered in this course is particularly helpful for first year statistics courses. There is a fee of \$20.00 for this course. This course will be repeated in August.

Review Session in Mathematics for Chemistry

A three-hour review session on mathematics including scientific notation and calculations, with emphasis on material that will be helpful for first-year chemistry courses, will be held on Saturday 1 March from 2.00pm to 5.00pm, following the Review Session in Basic Mathematics. There is a fee of \$20.00 for this course.

Review Session in Algebra Skills

A full day review session for students who find they need to strengthen their algebra skills will be held on Saturday 8 March from 10.00am to 5.00pm. This course is designed for students who are studying units such as MATH123 or MATH130 and will cover topics such as factorisation, simplification of algebraic expressions, solving equations and polynomial division. There is a fee of \$40.00 for this course.

Enquiries and enrolment

The Learning Centre for Numeracy Skills is located in C5A 225. To book into any of the above three courses, please add your name to the appropriate list situated outside the Centre. Payment may be made at the commencement of the course. All enquiries should be directed to Carolyn Kennett on (02) 9850 8924.

Preparatory Courses in Mathematics

Intensive courses in mathematics are run for two weeks in February. There is a day and an evening/weekend offering as follows.

11–22 February: Monday to Friday, 10.00am to 1.00pm

12–23 February: Tuesday to Thursday, 6.00pm to 9.00pm; Saturday, 10.00am to 4.00pm.

There are three different streams available.

Stream A is for students who need an introduction to, or review of, algebra and function concepts. It is recommended for students who have not studied mathematics for some time and who intend to include mathematics units such as MATH130 in their programs of study.

Stream B is for students who have completed 2-unit Mathematics in Society or 2-unit General Mathematics in recent years. It is recommended as a bridge to 2-unit Advanced Mathematics for students who intend to include mathematics units such as MATH130 or MATH123 in their programs of study.

Stream C is for students who have not studied mathematics for some time and need to refresh their skills before commencing MATH135. It is also strongly recommended as a bridge to HSC Mathematics Extension 1 for students who are using their HSC Mathematics results for entry into MATH135.

The fee for these courses is approximately \$150.00.

Refresher Course in Statistics for PSY222

This course is on Saturdays 1 and 8 March and is designed to brush up the student's knowledge of introductory statistics before they commence PSY222. The course includes instruction on using SPSS for Windows. The fee for this course is approximately \$100.00.

Enquiries and enrolment

Enrolment forms for the above two courses are available at: <http://www.maths.mq.edu.au/numeracy> or by calling Carolyn Kennett on (02) 9850 8924.

Dean of Students

The Dean of Students is available to all undergraduate and postgraduate coursework students of the University who need advice about their studies and University procedures, beyond that which is available at the Centre, Department or Division level.

The Dean of Students is responsible for the resolution of complex issues but does not provide academic advice.

For appointments or advice contact Christine Pegrem, Executive Assistant, Dean of Students Office, Level 2, Lincoln Building, telephone (02) 9850 7464 or fax (02) 9850 9920 or www.deanofstudents@mq.edu.au

Dean Higher Degree Research

The Dean Higher Degree Research, Professor John Hooper, is the senior academic responsible for postgraduate research study across all Divisions and departments of the University, with roles spanning policy development, supervisory arrangements and support structure, research scholarships, management procedures and administrative practices.

The Dean Higher Degree Research chairs the Program and Examination Sub-Committee of the Higher Degree Research Committee; and reports to the Committee on matters relating to research candidature policy, progression and completion. The Dean also provides confidential advice and pastoral care to postgraduate research students and their supervisors.

The Dean is part of the Deputy Vice-Chancellor's (Research) office; is located in C5C level 3; and can be contacted by telephone (02) 9850 8718, fax (02) 9850 6596 or email: John.Hooper@vc.mq.edu.au.

Freedom of Information

The records and the decisions of Macquarie University are subject to the terms of the *New South Wales Freedom of Information Act 1989*.

The *Freedom of Information Act* (also referred to as the FOI Act) gives individuals a right of access to information held in the records of the University, a right to have personal information held by the University amended if it is found to be incorrect and a right to obtain reasons for decisions made by the University that have materially affected them. It will be necessary to exempt from release certain types of information in some circumstances. There is an appeal procedure in place for applicants who are unhappy with the outcome of their request.

Macquarie University publishes an annual *Statement of Affairs* describing its administrative operations as well as a Summary of Affairs every six months, listing all its policies. These publications can be found at www.reg.mq.edu.au and are recommended as important guides to all information seekers.

The Act applies to all record types and can include:

- paper records—books, files, letters, loose papers, diaries, annotations on pages, drawings, post-it notes, label or other attachment, and computer printouts;
- electronic records—backup tapes, disks, CDs, e-mails, email archives, databases data files;

- audio-visual records—films, videos, tape recordings, and
- photographs—maps, plans, x-rays, microfiche and microfilm.

Records can be recorded or stored in any format, manual, mechanical or electronic. The Act also covers drafts, parts and copies of records.

Enquiries may be by mail, or, in office hours, by telephone or in person. It is advisable for anyone who intends to enquire in person to make an appointment by telephone first.

Postal address

Mr Lachlan Morgan
Manager Records and Archives Services
Macquarie University
Building E11A
Macquarie University NSW 2109

Campus location

Room 120
Building E11A

Telephone

(02) 9850 7362 (if unattended a voicemail facility is available)

Facsimile

(02) 9850 7363

Office hours

9.00 am to 5.00 pm Monday to Friday

Records and Archives

Records and Archives Services provides a central leading role in the management of recordkeeping at the University. It is responsible for the development and review of University-wide recordkeeping policy and procedures which are compliant with the State Records Act 1998 and other relevant legislation.

Records and Archives Services has the direct managerial responsibility for the University Archives.

The Macquarie University Archives are the official repository of those records of the University which have been identified as having continuing value. As well as housing the corporate administrative records of the University, the Macquarie University Archives holds significant archival items documenting the history and development of the University's administration and teaching. The archives holds some personal collections which document important areas of scholarship. The range of record formats in the archives include audiovisual recordings, photographs and plans, memorabilia and objects.

Two collections are regarded as having international significance — they are the records of Professor Chandra Jayawardena, Foundation Professor of Anthropology at Macquarie University and the records of Professor Peter

Mason, Peter Mason Foundation Professor of Physics at Macquarie.

Of national significance is the collection documenting the history and development of the Sydney Kindergarten Teachers College, the first of its kind in Australia. This collection contains records dating back to the 19th century. In addition, records of the Newtown Kindergarten Teachers College form part of this collection.

Part of the mission of Records and Archives Services is to further develop and preserve the archival collection. This is achieved by ensuring that records which have value as authentic evidence of administrative, corporate, cultural and intellectual activity are made, kept, protected and used.

Researchers wishing to access the Macquarie University Archives should contact the Manager, Records and Archives Services on ph (02) 9850 7362.

Privacy

The Privacy and Personal Information Protection Act 1998 (NSW)

The *Privacy and Personal Information Protection Act 1998 (NSW)* has introduced information protection principles to ensure personal information held by public sector agencies is not modified, used or accessed by unauthorised people. It applies to personal information collected on and after 1 July 2000. The principles regulate the handling of personal information, and cover its collection, storage, use, disclosure and disposal. Exemptions from the principles are allowed in limited circumstances, for example, where non-compliance is permitted under another Act or law.

Personal information is defined in the Act as being information or an opinion about an individual whose identity is apparent or can reasonably be ascertained from that information or opinion. Personal information includes, for example, names, addresses, telephone numbers, dates of birth, medical records, student identification information, passport numbers and body samples.

There are circumstances in which, under the Act, information about an individual is not considered to be personal information, including:

- when it relates to a person who has been dead for more than 30 years;
- when it is contained in a publicly available publication; and
- when it refers to a person's suitability for employment as a public sector official.

Macquarie University has a commitment to privacy and values individuals' privacy and actively seeks to preserve the privacy rights of those who share information with us. Your trust is important to us and we believe you have the right to know how information provided to the University is handled. The University's approach to privacy and personal information protection is based on the concepts of:

- **Openness** where there is a general practice of openness about practices and policies with respect to personal information. Procedures are available for individuals to establish the existence and nature of personal information and the main purposes of its use.
- **Purpose specification** where the purpose for collecting personal information is specified at the time of collection and further collections are limited to those purposes.
- **Collection limitation** where the collection of personal information is obtained by lawful and fair means and with the knowledge and consent of the subject. Also only that the information necessary for the stated purpose is collected, nothing more.
- **Use limitation** where personal information is not disclosed for secondary purposes without the consent of the subject or by authority of law. Disclosure may also occur if it is reasonably believed to be necessary to prevent or lessen a serious and imminent threat to the life or health of any person.
- **Individual participation** where individuals are allowed to inspect and correct their personal information. Whenever possible, personal information should be collected directly from the individual.
- **Quality data** where personal information is accurate, complete and timely, and is relevant to the purposes for which it is to be used.
- **Security safeguards** where reasonable security safeguards against such risks as loss, unauthorised access, destruction, use, modification or disclosure are implemented. Also access to personal information is limited to only those within the organisation with a specific need to see it.
- **Records retention** where personal information is retained for no longer than is necessary and it is then disposed of lawfully and securely.
- **Accountability.** Within the organisation, the role of Privacy Officer has been assigned to the Registrar and Vice-Principal and the role of Privacy Contact Officer has been assigned to the Manager, Records and Archives Services. These officers have direct managerial responsibilities for the University's compliance with its privacy policy. Privacy audits to monitor organisational compliance and employee-training programs are conducted on a regular basis.

The Health Records and Information Privacy Act 2002

The *Health Records and Information Privacy Act 2002* (the HRIP Act) came into effect on 1 September 2004. It creates a legal framework to protect the privacy of people's health information in New South Wales. Previously, all personal information, including health information, was protected by the *Privacy and Personal Information Act 1998* (the PPIP Act). Under the new legislation, health information is removed from the management regime established by the PPIP Act and redefined as a specific type of personal information. The PPIP Act will continue to protect all information that is not considered to be health information.

Health information is defined broadly under section 6 of the HRIP Act as:

- Personal information that is information (or an opinion) about the physical or mental health or a disability of an individual
- An individual's express wishes about the future provision of health services to him/her
- Information about a health service provided, or to be provided to an individual
- Other personal information collected in connection with the donation of human tissue
- Genetic information that could be predicative of the health of an individual or their relatives or descendants
- Health information relating to individuals which is collected for research use

The HRIP Act aims to promote fair and responsible handling of health information by providing a high level of protection for an individual's health information held in both the public and private sectors in New South Wales. It also seeks to enable individuals to easily access their health information, and to provide a workable complaint mechanism regarding the handling of health information.

As the definition of health information is so broad, it is anticipated that the HRIP Act will have a significant effect on the collection, storage, use and disclosure practices of many different units of Macquarie University. It is therefore important for all staff to be able to recognise what health information is, what level of protection they should be affording it, and what rights are conferred to individuals under the HRIP Act.

Further information regarding the HRIP Act may be obtained from Privacy NSW.

Contact details for privacy enquiries

Enquiries may be by mail, or, in office hours, by telephone or in person. It is advisable for anyone who intends to enquire in person to make an appointment by telephone first.

Postal address

Mr Lachlan Morgan
Privacy Contact Officer
Macquarie University
Building E11A
Macquarie University NSW 2109

Campus location

Room 120
Building E11A

Telephone

(02) 9850 7362 (if unattended a voicemail facility is available)

Facsimile

(02) 9850 7363

Office hours

9.00 am to 5.00 pm Monday to Friday

University Library

web: www.library.mq.edu.au

tel: (02) 9850 7500

The Library assists staff and students with their teaching, learning and research by providing access to information resources, regardless of format or location. The Library provides a wide range of undergraduate teaching and study materials, specialist research collections, general study material, and access to online databases, networked electronic information services and the internet. The Library is also used as an information resource by individuals and organisations in the local community.

The Library is constantly seeking new and effective ways of meeting the needs of its users. It is keen to provide an environment where learning and scholarship can flourish and, to this end, is focused upon providing service and being an indispensable partner in the provision of quality education and research. The strength and diversity of its different collections is enhanced by the innovative use of technology and the active promotion of cultural awareness through a varied program of public exhibitions.

The Library occupies four main levels of a single building, located at the centre of the campus. Seating is provided for 1,200 clients. Facilities include a postgraduate reading room, training facilities, group study rooms, wireless access and 180 public PC workstations, which provide access to online resources. Level 1 provides space for group work and laptop use.

The Library's website www.library.mq.edu.au provides accurate up-to-date information and access to the services and facilities of the Library. Students can contact the Library, provide feedback and ask questions about services using the JustAsk@Library service on the website or in person at the Information desk on Level 2 of the Library.

Hours of Opening

The Library is open for 82 hours per week, except during the mid-year and end-of-year vacation periods, when shorter hours apply. Detailed information on opening hours can be found at the Library entrance, on the Library website or for a recorded message of current Library hours call (02) 9850 7501.

Collection

The Library has approximately 1,400,000 items: printed books, serials, newspapers, maps, videos, software, DVDs, online databases, sound recordings, compact discs, interactive multimedia, films, microform, posters, toys and games. There are 80,000 plus current serial titles, 75 percent of which are available online. Guides to searching online resources can be found on the Library's website.

Catalogue

The Library's online catalogue is accessible to users in the Library, across the University and via the web. The catalogue provides full details for all items held in the Library as well as some remote databases and internet sites. Holds and renewals of items may be made online.

web: www.library.mq.edu.au, select Catalogue

Borrowing

Information on campus cards, borrowing services and conditions can be found on the Library website or by talking to staff at Borrowing Enquiries. The Library is a member of University Library Australia, a reciprocal borrowing agreement between Australian Universities, which entitles current staff and students to apply for borrowing privileges at other member University Libraries.

Reference and Research Assistance

The staff at the Information desk on Level 2 provide a range of reference services. This includes guidance in the use of the catalogue, assistance in finding specific information, advice on the use of different collections in the Library, as well as the effective use of library databases and the internet.

Telephone, online librarian (chat) and email reference services are also provided:

web: www.library.mq.edu.au, select Help and click on Online Librarian

tel: (02) 9850 7500

email: infodesk@library.mq.edu.au

Reserve and e-Reserve

The Reserve collection is a short-loan collection consisting of items in high-demand; mainly books, kits, videos and DVDs. These items are available for three-hour loan to ensure rapid turnover.

e-Reserve is a collection of essential coursework readings made available online including book chapters, journal articles, lecture notes and past exam papers. e-Reserve material is password protected and only available to Macquarie University students and staff.

web: www.library.mq.edu.au, select E-reserve

Photocopying and Printing Services

The Library provides a photocopying service and photocopiers and printers are located throughout the building. Additional services include colour copying, overhead transparencies, spiral binding, faxing and the sale of stationery supplies.

Distance Education

Special attention is paid to the needs of distance education students. Lending and document delivery services are provided to students who reside outside the Sydney metropolitan area. Use the Library's website to submit

requests for material. A users' guide to VDX is available on the Library's website.

web: www.library.mq.edu.au, select Services, click on Distance Students

tel: (02) 9850 7558

email: libed@libnet.lib.mq.edu.au

fax: (02) 9850 7590

For students outside NSW (02) area:

tel: 1800 632 743 (freecall)

Students with Disabilities

The Library provides a wide range of services for students with disabilities who are registered with the University's Disabilities Services Coordinator.

Services include assistance in researching a topic, collecting material from the shelves, and arranging for material to be photocopied. The Special Equipment Area houses the Library's adaptive technology facilities and is provided as a separate study area for students with disabilities.

Training

Online and face-to-face training is available to meet the development needs of staff and students related to learning, teaching and research. Information is available from the Library's website.

web: www.library.mq.edu.au, select Training

tel: (02) 9850 7399

email: training@library.mq.edu.au

Copyright Unit

The Copyright Unit assists the Macquarie community with matters of copyright and information ethics and some aspects of plagiarism.

The University Copyright Coordinator can assist on the issues surrounding the creation, use and communication of copyright material for learning and teaching.

web: www.copyright.mq.edu.au

Student Information Technology Help (SITH)

SITH provides advice and assistance to students of Macquarie University in the use of information technology and access to the online facilities and resources of the University. It is located at building C5C.

web: www.sith.mq.edu.au

tel: (02) 9850 HELP (9850 4357)

email: ithelp@mq.edu.au

MSN messenger: ithelp@mq.edu.au

For students outside NSW (02) area:

tel: 1800 063 191 (freecall)

Computer Access and Going Online

Computers

For access to Macquarie sites the computers in the Library and in many departments can be used, or by accessing the internet from a laptop or a remote computer. To access the University's internet from off campus subscription to an internet service provider will be necessary.

While enrolled in programs of study at Macquarie, students will benefit greatly from access to a computer at home.

Wireless computer network on campus

Currently, wireless capability is available on campus in open spaces and in several buildings. Further information is available on the University website.

web: www.mq.edu.au select *Current Students*, then *Wireless Internet*, then *Where can I access wireless?* and open *MQU Wireless coverage map*.

The laptop will need wireless capability, and its network card must comply with a standard supported by the University. Information and help about the wireless network on campus is available on the Wireless Internet site pages.

web: www.mq.edu.au select *Current Students*, then *Wireless Internet*.

Online resources

MQnU has useful links to academic services, study tools, student services, IT tools and information and student activities. Some of these resources are defined below.

web: www.mq.edu.au select *Current Students*.

- **eStudent** allows continuing coursework students to enrol online and select classes, view exam results, check graduation details and maintain contact information.
web: www.mq.edu.au select *Current Students*, then *eStudent*.
- **myMQ**, the Student Portal, provides the gateway to resource information for current students. The Student Portal contains links to student email, a calendar, Library catalogue and reserve systems, unit home pages, eStudent, and many other student and university resources.
web: www.mq.edu.au select *Current Students*, then *myMQ Student Portal*.
- **Online course materials**. Online Learning @ MQ will be using Blackboard CE6 for all Macquarie Units from 2008.
You can check that your software meets Blackboard CE6 standard requirements by following the link to Technical Information at <http://online.mq.edu.au>

Usernames and passwords

On enrolment students are sent a letter that contains the

user name and password to use when accessing online resources. For help with a password contact www.sith.mq.edu.au Student IT Help.

Student email accounts

All Macquarie students are issued with a free official University email account, which is accessed via the *myMQ Student Portal*. It is University policy that official University communication uses the University-issued email account. As part of the enrolment process students agree to check their official University email account weekly.

To find out about the free Macquarie email account for students:

web: www.mq.edu.au select *Current Students*, then *Student Email Help*.

Student IT Help

Student IT Help provides support and assistance to the students and staff of Macquarie University on information technology issues. Enquiries may be about username and password, computers, printing, internet issues, email, myMQ, downloads, access to online Library facilities and eStudent login and password.

where? Student IT Help Desk in C5C Room 244 from 9 am to 6 pm

web: www.sith.mq.edu.au

email: ithelp@mq.edu.au

phone: 9850 HELP (9850 4357) in Sydney, or 1800 063 191 from outside Sydney, freecall

For eStudent queries other than login and password:

web: www.mq.edu.au select *Current Students*, then *eStudent*, then login, then *Need Help?*

Centre for Open Education

The Centre for Open Education coordinates undergraduate distance education programs, including the BA, BSc, BEd (ECE) and LLB, and an increasing number of postgraduate distance education programs. The Centre also manages a number of other programs, including Non-Award Study (both for interest and as a pathway to award enrolment), the Summer Program, which provides students with opportunities for remedial study or acceleration, the Open Universities Australia program and a professional continuing education course.

Maintaining and improving contact between the University and students enrolled in distance education and evening units is a primary concern of the Centre, with particular emphasis on providing support and guidance for country students who may feel disadvantaged or isolated by distance.

Student Support

All distance education and evening students are encouraged to use the Centre to discuss problems related to study, contact with lecturers or any other difficulties

which affect students with reduced access to the University.

During teaching periods the Centre is open 8.30am to 5.30pm Mondays to Thursdays, 8.30am to 5.00pm Fridays, and 8.00am to 11.00am on most Saturdays. Outside teaching periods the hours are normally 8.30am to 5.00pm Monday to Friday.

Distance Education Program

The responsibilities of the Centre include the organisation and distribution of the various forms of teaching materials, the electronic registration of the receipt and return of all distance education assignments, and the production of the schedule of on-campus sessions and field trips for distance education units. Each year the Centre produces the undergraduate Distance Education Student Handbook.

A special interest of the Centre is the delivery of independent learning units as an improved method of teaching, in which distance-teaching techniques can be combined with regular face-to-face contact to provide a more flexible attendance pattern.

Evening Program

In some evening units, attendance requirements are reduced by the substitution of CDs for scheduled lectures. Evening students in those units may collect the CDs from the Centre. In addition, the Centre arranges the distribution of teaching materials and assignments for some evening units, with other services arranged on an individual basis to meet a variety of needs, especially those of disadvantaged students.

Conveyancing Course

The Centre for Open Education offers a professional development course in Conveyancing Law and Practice. The course is taught in distance education mode. Details of the courses and application material may be obtained from the Centre.

Non-award Enrolment

The Non-Award Program provides places in most undergraduate and some postgraduate units for students who may wish to study for general interest or professional reasons and who do not wish to enrol in an award, or who are seeking to gain entry to a BA, BA (Psychology), BSc, BSc (Psychology) or BEd (ECE) degree via the twelve credit-point pathway (see "Admission Through Non-Award Study" in the Undergraduate Handbook). The number of places available is determined by the Department or Centre offering the unit. Applicants should note that each unit application will be assessed individually and unit entry is not automatic. Further details and application forms are available from the Centre for Open Education. More detailed information can be found at www.coe.mq.edu.au/nonawd.htm

Open Universities Australia Program

The Centre for Open Education manages Macquarie University's significant program of flexible, online study which is offered through Open Universities Australia (OUA) and which is independent of the University's conventional undergraduate and postgraduate offerings.

For information on the Open Universities Australia program, contact the Program Manager (OUA) on (02) 9850 9274, or e-mail ouainfo@mq.edu.au. Please note that OUA studies are not generally available to students who are currently enrolled in a degree at Macquarie University.

Information for current OUA students is available at www.coe.mq.edu.au. Detailed course information is available at www.open.edu.au

Summer Course Program

Selected units of study from the Schedule of Undergraduate Units are offered on a tuition-fee basis during the summer vacation period to enable students to undertake remedial study, or to accelerate their progress. Units are offered by many of the Divisions, with a very strong offering by the Division of Economic and Financial Studies. If satisfactorily completed, the units will be counted for credit towards a Macquarie degree program. While most Summer Course Program Units are taught intensively on campus, some are taught by distance education. Summer course information is available on the web at www.coe.mq.edu.au/summer.htm

Enquiries

For any enquiries contact the Centre for Open Education on tel: (02) 9850 7470; fax: (02) 9850 7480, or email coe@mq.edu.au

Further information about the Centre is available at www.coe.mq.edu.au

Macquarie International

International students play an important role at Macquarie University, accounting for 28 percent of the total student population. There are over 8,500 international students at Macquarie from over 71 countries, and another 1000 students are enrolled in the various offshore programs in Singapore, Hong Kong, Japan, China, and France.

At Macquarie International high quality academic support services are available to students from around the world ensuring that students have the support they need to succeed in their studies. The services offered include:

- airport reception service
- orientation programs
- study skills support, workshops and advice
- application admissions processing
- monitoring of academic progression
- accommodation
- post-arrival support

- social and cultural events throughout the year
- returning home functions.

International students at Macquarie enjoy the flexibility and choice of a wide range of courses, disciplines, levels and methods of study. Students can enrol in courses at both undergraduate and postgraduate levels across Macquarie's divisions. They can also undertake double degrees, dual degrees with partner institutions, exchange programs or even complete some of their course online or overseas. With over 300 partner institutions in over 60 countries, as well as a generous travel grant scheme, Macquarie provides both local and international students with unique opportunities to Study Abroad. Scholarships are available for eligible students.

For further information on Macquarie International, the support services for international students, Study Abroad programs, scholarships and other services, please visit: www.international.mq.edu.au

U@MQ

U@MQ is Macquarie University's student services organisation committed to creating a fun and healthy University campus environment.

U@MQ provides the essential non-academic services and facilities that help students achieve a healthy and balanced approach to University life. U@MQ provides food, retail, sport and recreation facilities and services, clubs, societies, child care and a wide variety of events and entertainment.

For more information about the services and facilities offered by U@MQ please visit www.uatmq.com.au

Childcare

U@MQ offers students and staff four child care facilities located within the campus grounds: Banksia Cottage, Gumnut Cottage, Waratah Occasional and Long Day Care Centre and Macquarie University Vacation Care.

All four facilities offer safe, friendly and extensively equipped environments for children. Priority spaces and preferential rates are offered to students and staff of Macquarie University.

For more information on U@MQ's childcare facilities please visit: www.uatmq.com.au

Clubs and Societies

U@MQ Clubs and Societies provide students with a great opportunity to meet. For students looking to interact with others who have similar interests or wanting to become involved in something new, the wide range of clubs and societies are a vital part of campus life here at Macquarie University.

Communications

To find out what's happening on campus, how to get the most out of University life, the latest sport and fitness

classes on offer or what else U@MQ might offer see www.uatmq.com.au. The site provides up to date information on what is happening on campus.

Also don't forget to pick up the Macquarie University student publication—which is guaranteed to give you a laugh, create discussion and keep you abreast of what's happening around campus.

Entertainment

Regular weekly entertainment is an important part of University life and takes place in a variety of ways from sporting events, to trivia nights, to cultural weeks, to speaker series covering a wide range of topics.

Events and Catering Services

U@MQ has a range of venue and catering options on offer here on campus for both staff or students.

Food and Beverage Outlets

U@MQ operates a wide range of food and beverage outlets on campus to suit all tastes.

With a focus on providing healthy alternatives, there is a wide range of food options on offer in the main foodcourt within the U@MQ Building.

Across campus, food and beverages are available in the Globe Café located in E3B and the various coffee carts and vending machines.

The Energy Kanteen at Macquarie University Sport and Aquatic Centre also provides a wide range of healthy food and beverage options for the campus community.

Lighthouse Theatre

The Lighthouse Theatre plays host to a number of productions throughout the year. Managed by U@MQ on behalf of the University, the Lighthouse Theatre is not only suited to drama performances but is also an ideal location for functions and seminars. With standing room for 390 and seating space for 170, this venue is flexible enough to accommodate everyone's needs.

For more information on the Lighthouse Theatre call (02) 9850 7774.

Queer Space

Queer Space provides a safe space for queer and queer friendly staff and students on campus.

For more information call (02) 9850 6572

Retail Outlets

For the convenience of the on campus community, U@MQ provides a range of services through retail outlets. The U@MQ Shop located at the U@MQ Building is the one-stop-shop supplying stationery, newspapers, magazines, merchandise, food and drink and much more. Through the central information point we also offer a postal and fax service, locker hire and general information on life on campus.

For more information and operating times visit www.uatmq.com.au

Sport and Recreation

U@MQ provides the facilities for an exciting range of sport and recreation activities.

The new Sport and Aquatic Centre features a heated outdoor 50 metre swimming pool, a 25 metre heated indoor swimming pool, gymnasium as well as group fitness, cycling and yoga studios. The Centre also includes squash courts, a basketball hall, sports hall, badminton courts and a martial arts area. Memberships are available for all students and staff at discounted rates.

The social sports program is designed to suit everyone; from drop in and play sessions, to lunchtime and night time competitions. Macquarie also has a strong history of representation at the Australian University Games, sending over 30 teams to various Australian University sporting events, in both summer and winter sports each year. A recent addition to the sports program is the Inter-College Challenges, with the Macquarie University residential colleges competing against each other in several sports days during the year.

U@MQ also runs a variety of recreational activities throughout the year, including snow skiing, surfing, sky diving and scuba diving. The short course program gives students the chance to try new activities including fencing, golf, salsa and tennis.

Student Engagement

U@MQ extensively promotes student involvement at Macquarie University, working closely with student groups to ensure we are providing the most relevant services and facilities; listening to your needs; providing support to student run initiatives; involving students in sustainability projects; becoming an employer of choice on campus for students.

Visit www.uatmq.edu.au to find out more or call (02) 9850 7779.

Working at U@MQ

U@MQ offer casual work opportunities for students during the year. Roles exist across the organisation working throughout the sports, retail, events, catering and food and beverage facilities.

Alternatively, students can help out U@MQ as part of volunteer teams who support various on campus projects and events by joining the U@MQ Volunteers Program.

Women's Room

The Women's Room provides a women-only safe and friendly place on campus. Resources include a comprehensive women's library, contraception, sanitary protection, breastfeeding and baby changing facilities.

Child Care Centres

There are five child care facilities available on campus at Macquarie University.

Gumnut Cottage

Gumnut Cottage caters for 90 permanent children per day, aged three months to five years (with priority of enrolment given to children of students).

For further information call (02) 9850 7740 or email info@gumnutchildcare.com.au

Banksia Cottage

Banksia Cottage caters for 90 children per day aged three months to six years (with priority of enrolment given to children of staff members).

For further information call (02) 9850 7781 or email banksiachildcare@mq.edu.au

Mia-Mia Child and Family Study Centre

Administered by the Institute of Early Childhood the Mia-Mia Child and Family Study Centre caters for 51 children per day aged from six weeks to five years. The centre is available to local families and families who travel to the North Ryde area for work, as well as for students and staff of the University.

For further information call (02) 9850 9880

Waratah Occasional and Long Day Care Centre

Waratah Occasional and Long Day Care Centre caters for 45 children per day aged from three months to three years (with priority given to the children of students). Hourly and sessional care, as well as daily care is offered.

For further information call (02) 9850 9450 or email waratahchildcare@mq.edu.au

Macquarie University Vacation Care

Vacation care is an innovative programme of fun and fitness for children aged from kindergarten (at school) until their early teenage years. Located at the Macquarie University Sport & Aquatic Centre children can get involved in learning new sports and games or participate in a variety of creative activities. Excursions are also an important part of the programme.

For further information call (02) 9859 7781 or email banksiachildcare@mq.edu.au

Student Accommodation

Dunmore Lang College

Principal: Dr Lewis Rushbrook, MA (Auckland), PhD (ANU), MA (Oxford)

Dunmore Lang College is an energetic academic commu-

nity providing in-depth academic and pastoral support. It aims to assist students to manage the challenges of university life at every transition, from new undergraduate to postgraduate researcher. The College welcomes high-achieving men and women passionate about their studies, social and leadership development and involvement in a wide range of collegiate activities. Opened in 1972 as the first affiliated college on campus, it has an enviable reputation for quality learning and development in a contemporary multi-cultural setting. Residence at Dunmore Lang College provides access to in-house bursaries, scholarships, extra-curricular learning, resident employment, training and work experience, as well as opportunities for significant mentoring and networking through the College's alumni and wider community.

The College is superbly located in a park-like setting on the edge of the University campus, a short walk from the teaching and library centres of the University and retail and transport services. The over 300 residents are housed in a range of accommodation styles, including furnished single study-bedrooms with private telephone, email and cable internet (approximately 200) to newer style study-bedrooms with ensuite or shared ensuite facilities, wireless internet, telephone and refrigerators (approximately 50). Friendly, helpful staff enhance the delivery of college services. The Principal and Director of Student Life and Learning each reside at the College, along with the Resident Advisors and Resident Tutors.

The College provides a fully-catered service for residents in the Dining Hall. Other facilities include computer lab, multi-purpose common room, tutorial rooms, library, courtyard with BBQ, Foxtel, television, kitchenettes, student shop and vending machines, and an expanding wireless internet coverage. Linen is provided and there are laundries on site. The Association of Dunmore Lang Students (ADS) organises activities such as intercollegiate sport, musicals, debating and the College ball. Residents have many opportunities for leadership, lifeskills acquisition and community service.

The College also has four well-equipped modern conference rooms suitable for workshops, off-site training, strategic planning and catered functions. These are available for groups of 15 to 100 people.

Prospective students wishing to arrange a visit, or seeking more information, should telephone the Registrar on (02) 9856 1300. Further information can also be obtained at www.dunmorelangcollege.nsw.edu.au. Applications for residence are welcomed from full-time undergraduate and postgraduate students of Macquarie University and SIBT. Early application is advisable and should be lodged online, through the website.

Robert Menzies College

Master: Professor Christopher Bellenger, BVSc, MVB, PhD, FAVSc, FRCVS, DipECVS

Robert Menzies College is set in quiet bushland with accommodation for 200 students and is the closest college to University campus buildings. It is an Anglican residential college, affiliated with Macquarie University,

located at 136 Herring Road North Ryde and adjacent to Macquarie Shopping Centre and public transport interchange.

RMC is the ideal environment for students to excel academically, explore new friendships and experience life. The College is a welcoming, inclusive and encouraging community of people from many different backgrounds and nations. Academic and pastoral support is available from dedicated and qualified staff throughout the academic year.

RMC provides a supportive and caring community, offering the following facilities and services:

- fully furnished single student rooms, linen provided, serviced weekly; with telephone and data connections in each room, enabling access to the internet and Macquarie University's student computer resources;
- fully catered—21 meals provided each week with international and vegetarian options;
- fully equipped IT room with computing, printing and scanning facilities and technical support;
- fully equipped coin-operated laundry facilities;
- full access to academic, social, sporting and cultural facilities including a library, communal study rooms, music room with piano, pool table and table tennis, TV/video room, kitchen and outdoor BBQ;
- opportunities to develop leadership and working skills through participation in the life of the College; and
- Trinity Chapel Macquarie—an inter-denominational Christian church meets in the College chapel.

The RMC Student Association provides you with the opportunity to influence and support the College by monitoring and ensuring high standards are maintained, promoting community through inter-college sporting and cultural activities, and encouraging active participation in all areas of College life.

Scholarships are available for new and continuing members of the College.

All undergraduate and postgraduate students of Macquarie University or SIBT can apply for residency. RMC members are requested to respect the Christian ethic of the College, and not to bring alcohol or non-medical drugs onto College premises. The Master, Dean and Chaplain and their families all live at the College.

For information and applications contact Member Services, tel (02) 9936 6000, fax (02) 9936 6005, email: membership@rmc.nsw.edu.au or mail: Robert Menzies College, PO Box 1505, Macquarie Centre, North Ryde NSW 2113, website: www.mq.edu.au/rmc Applications for residency can be completed online, by following the link from our website.

Macquarie University Village

Located only a short walk from the middle of campus, Macquarie University Village provides easy access to lecture theatres, sporting facilities, shops and transfer links to the North Shore and City.

The Village increased in size in 2007 from 378 to 894 rooms, which is spread over seven hectares of landscaped grounds.

Campus Living Villages (CLV) has been managing the Village since January 2006. CLV is a company that only deals in student accommodation, and has set a new international standard in university accommodation at Macquarie University Village.

CLV works closely with a number of senior residents to develop and ensure a strong system of peer support. Resident Assistants are selected via a rigorous recruitment program, identifying people that have the capability to take on additional responsibility over and above their studies. The Resident Assistants offer peer support and direction to the residents to help them assimilate into university life, providing assistance in resolving any matters that could arise from living in such a diverse accommodation complex and organising social activities for students.

Students have a choice of room types at the Village, from the privacy of a one bedroom apartment, to the more communal living of the five bedroom apartment. Accommodation at the Village has a comprehensive furniture package that includes a single or king single bed, a desk, chair and built in wardrobe. Every bedroom has its own ensuite with toilet, basin and shower. All apartments have quality kitchens with large bench tops, microwave oven, electric oven, gas hot plates and refrigerator. Kitchens are stocked with crockery, cutlery, pots and pans.

All bedrooms in the Village have an internet port located at the desk, with the option of two different unlimited download data packages. Students who do not own computers and printers are able to use the resource centre, which is located within the Administration building. The resource centre has a number of PCs and printing and photocopying equipment.

Each apartment has a communal telephone—residents are provided with a personalised phone number, voice-mail and pin number to access their own phone account.

Weekly residential fees start from \$161 per week for a fully furnished bedroom in a five bedroom apartment, to a maximum of \$268 per week for a one bedroom apartment. Applications can be made online at <http://www.macquarieuv.com.au/>. For further information please contact Macquarie University Village Administration Office, phone (02) 9812 6000, fax (02) 9812 6001, email info@macquarieuv.com.au, mailing address 122 Culloden Road, Marsfield NSW 2122.

Private Accommodation

The Accommodation Service provides information in relation to both on and off campus accommodation options. A private rental accommodation listing service is administered, with vacancies listed on an online database and on campus notice boards.

The Accommodation Service is located in C5C 244. For further information phone: (02) 9850 7376; email:

accom@reg.mq.edu.au or consult the website at www.sss.mq.edu.au/accommodation/

Macquarie University Postgraduate Representative Association

All enrolled postgraduate students have access to MUPRA, the Macquarie University Postgraduate Representative Association. MUPRA functions as a representative association on many levels, from individual student grievances involving academic, administrative or other matters, to issues that affect the wider postgraduate body.

MUPRA's annual publication, the Postgraduate Survival Guide, keeps students informed of the various services available to them as postgraduate students. This is complimented by a regular newsletter, which outlines upcoming activities, social events, and general issues that concern them. These publications and more are available from the MUPRA website.

Throughout the year, MUPRA arranges a series of functions to bring postgraduates together, including BBQs, trivia nights, monthly coffee and evening events. In addition, MUPRA manages the Postgraduate Research facility in C5A 329, which is open to research postgraduates.

The organisation is run by the MUPRA committee, which consists of 15 postgraduate student members, elected annually.

Enquiries tel: (02) 9850 7699; fax: (02) 9850 9954; email: mupra@mq.edu.au; web: www.mq.edu.au/mupra; or call in to C5A 325.

The MUPRA office is open Monday to Thursday, 9.00am–12 noon and 1.00pm–5.00pm. MUPRA's Postgraduate Office Manager is Shirley Tan.

Alumni Office

The Alumni Office provides a vital communication and development link between the University and its graduates. Alumni—a Latin word meaning “former students”—play a key role in the University by retaining close connections with fellow alumni and with University staff, and by providing a strong link with the broader community. There are over 100,000 alumni world wide, with regional, international and interest-based chapters currently active or under development. Through these chapters alumni can retain strong relationships with their University and with fellow graduates.

The online publication, *Sirius*, is produced quarterly to strengthen the communication link between the University and the alumni. Alumni also participate in University governance by playing an active role on the University Council and the Standing Committee of Convocation.

Alumni enjoy a variety of benefits and services provided by the Alumni Office including scholarships, awards and prizes. These are offered on an annual basis to alumni, their family members and Macquarie students.

Macquarie Ambassadors, an alumni volunteer program, provides a platform for alumni to mentor current students and recent graduates.

For further information, contact the Alumni Office by phone on (02) 9850 7310, by email alumni@reg.mq.edu.au or visit our website at <http://www.alumni.mq.edu.au>.

Museums and Teaching Collections

The University's museums and teaching collections are open to University staff, students and the public. Curators and representatives meet regularly as an Advisory Committee on Museums and Collections to discuss needs and plan future developments. The Committee reports to the Deputy Vice-Chancellor (Development and External Relations). Further details are available in a series of brochures or may be accessed at www.mq.edu.au/museums/. A database of some 20,000 records of the museum objects on campus can be searched at this site. You will also find information about the museum policy of the University and directories of other university museums.

For more general information on Museums and Collections at Macquarie contact Steven Pringle, Director of Community Engagement, ph: (02) 9850 4270; email: steven.pringle@els.mq.edu.au.

Some museum staff are members of the Council of Australian University Museums and Collections (CAUMAC), of Museums Australia (MA), and of the International Committee of University Museums and Collections (UMAC). Wherever possible, Macquarie University's museums and collections are integrated into the teaching programs of the undergraduate Bachelor of Science with Bachelor of Arts, Natural and Cultural Heritage and Museums program, and postgraduate programs in museum studies.

Aboriginal Technology and Bio-resources Collection

The collection includes stone artefacts from some 250 locations. Wooden artefacts include boomerangs, spears, woomeras, coolomons and clubs from most States of Australia, including prehistoric artefacts from NSW.

Enquiries: Dr James Kohen, tel: (02) 9850 8138; web: www.bio.mq.edu/school/centres/museum/atb.htm

Australian Centre for Ancient Numismatic Studies

The Australian Centre for Ancient Numismatic Studies (ACANS) was established at Macquarie University in 1999, as the result of an important endowment from Mr and Mrs WL Gale. The coin collection of Mr and Mrs

Gale is currently on loan to the University. It consists of over two and a half thousand coins, and is one of the most important coin collections in Australia. There are three main groups. The first consists of coins from the Greek cities of South Italy. The second is Roman Republic coinage, and the third is Roman Imperial coinage from the time of Hadrian.

The numismatic exhibitions of the Centre may be viewed in the Museum of Ancient Cultures. The Museum is open from 9.00am to 4.30pm Monday to Friday; closed weekends and public holidays.

Enquiries: Kenneth Sheedy, Director of ACANS, W6A Room 517 tel: (02) 9850 8807; fax: (02) 9850 8240; web: www.humanities.mq.edu.au/acans/aims.htm

Australian History Museum

The Museum houses artefacts, documents, maps, posters, photographs, books, journals and primary materials to support the teaching and study of Australian history. The Museum is broadly based but areas of particular focus include Aborigines and Torres Strait Islanders, nineteenth and twentieth century immigration, war and society, and women. The exhibition area reflects these themes. The Museum conducts programs relevant to the Board of Studies syllabus for high school groups.

Enquiries: Ms Tracey Sullivan, W6A Room 126, tel: (02) 9850 8870; fax: (02) 9850 6594; email: tracey.sullivan@mq.edu.au; web: www.austhistmuseum.mq.edu.au

Biological Sciences Museum

The Biological Sciences Museum is an important academic teaching and research resource for the Department of Biological Sciences. It comprises about 10,000 specimens of Australian native fauna and a collection of antique microscopes. Larger collections include corals, molluscs, insects, reptiles, birds, marsupials, and skeletons. The museum presents a mix of environmental and systematic exhibitions highlighting environmental issues, the importance of biodiversity, and the need for conservation in the Australian context. There are also live exhibits of bull ants, reptiles and fish. The skeleton of *Tyrannosaurus bataar* from the Gobi Desert is displayed in the foyer of the University Library, the Winton trackway (dinosaur foot prints), and Ichthyosaur, *I. communis*.

The Museum offers natural history courses, educational programs for pre-schools ("hands-on" tours), primary and secondary schools; and provides a teaching venue for outside groups. The Museum is open from 9.00am to 5.00pm Monday to Friday, excluding public holidays.

Enquiries: Ms Libby Eyre, E8B Room 121, tel: (02) 9850 8168; fax: (02) 9850 8249; email: leyre@rna.bio.mq.edu.au; web: www.bio.mq.edu.au/school/centres/museum/

Earth Sciences Museum

The Earth Sciences Museum presents displays centred on climatology, human and physical geography, geology and geophysics. A model of a rare Australian Ankylosaurid dinosaur, which roamed Australia 100 million years ago,

is a central feature among the exhibits. Present displays include researches in Antarctica; fossil assemblages from Iran; trace fossil assemblages from Sydney headland areas; rocks of distinction from various places; and touch-screen electronic information about important current research and research workers.

The Earth Sciences Garden display museum collection contains around 56,000 catalogued specimens. A joint project on Winton dinosaur footprints is displayed at the Biology Museum. The Earth Sciences Museum also features a number of Honours exhibition projects in museum studies.

The Museum is open from 8.00am to 6.00pm Monday to Fridays excluding public holidays. For enquiries regarding a visit to the Museum, or for brochures about the Museum's collections, contact Dr Andrew Simpson, tel: (02) 9850 8183; fax: (02) 9850 9671; email: asimpson@els.mq.edu.au; web: www.mq.edu.au/museums/earthsci/

Herbarium

The Macquarie University Downing Herbarium is a valuable resource for students and staff with environmental, horticultural and agricultural interests. The collection, from the Department of Biological Sciences, is located in Room 148 in Building E8C. Specimens include marine algae, mosses, lichens, ferns, conifers, and flowering trees, shrubs, climbing plants and herbs. The flora of the Sydney region is well represented, and there are also species from some unusual and more distant locations, such as Jabiluka in the Northern Territory, sub-arctic Macquarie Island, Cyprus, New Zealand and Japan.

Enquiries: Mrs Alison Downing, E8C 148, tel: (02) 9850 8197; email: adowning@rna.bio.mq.edu.au; or Dr Barbara Rice, tel: (02) 9850 8192; email: brice@rna.bio.mq.edu.au; web: www.bio.mq.edu.au/herbarium/

Institute of Early Childhood Art Collection

This teaching collection was initiated in the early twentieth century. It has been used continuously within liberal arts studies and is now integral to the teaching of visual arts in the University. It includes paintings, prints, ceramics, textiles, sculptures and carvings by Indigenous and Western artists. Early to mid-twentieth century Australian printmaking is well-represented in the collection.

Enquiries: Dr Margaret White, tel: (02) 9850 9837 or Margaret.White@mq.edu.au; web: www.lib.mq.edu.au/mcm/IEC/

Lachlan Macquarie Room

The Lachlan Macquarie Room in the University Library is a complete historical reconstruction of the parlour room from Lachlan Macquarie's house on the Isle of Mull, Scotland. The room contains the original timber panelling, doors, windows and fireplace dating from c 1824, given to the University in 1967. There is a dis-

play explaining the history of the original house and estate, a description of how the room was acquired by the University, and a biographical profile of Lachlan Macquarie and his family. Also on display are various objects owned by, or related to, Lachlan Macquarie. These include the University Chancellor's Chair (made by convict artisans for Macquarie); a book from Macquarie's personal library, a porcelain serving platter, a seventeenth-century map of Mull, and a replica of the Regimental Colours of the 73rd Regiment of Foot (Black Watch) that Macquarie brought to New South Wales in 1810.

Enquiries: Mr Robin Walsh, Macquarie University Library (Level 1), tel: (02) 9850 7554; fax: (02) 9850 7513; email: rwalsh@laurel.ocs.mq.edu.au; web: www.lib.mq.edu.au/lmr

Museum of Ancient Cultures

The Museum has over 5000 artefacts from the ancient Mediterranean civilisations, spanning the period from c 9000 BC to AD 500. It includes an extensive collection of Greek pottery and terracotta figurines, a large coin collection, and the largest collection in Australia of unpublished handwritten Greek documents on papyrus. Egyptian material includes mummified remains.

The Museum is open from 9.30am to 4.30pm Monday to Friday excluding public holidays. Enquiries: Mr Karl Van Dyke, X5B Level 3, tel: (02) 9850 9263; fax: (02) 9850 8892; email: kvandyke@laurel.ocs.mq.edu.au; web: www.mac.mq.edu.au

Sculpture Park

Works by contemporary Australian sculptors are located in the grounds of the University in one of Australia's leading public sculpture parks. Sculpted works are of sandstone, stainless steel, ceramics, steel, bronze and copper.

A brochure outlining two hour-long self-guided tours is available.

Enquiries: tel: (02) 9850 7437. Many of the sculptures can be viewed at www.mq.edu.au/PubRel/

Visual Arts Collection and University Gallery

Macquarie's extensive collection of major post-1960s Australian artworks includes museum-quality art on loan from private collectors, as well as representative works by leading artists which have been purchased by, or donated to, the University. The collection includes a wide-ranging selection of superb Indigenous artworks. The paintings are exhibited in the University Gallery and throughout the University Library.

The University Gallery is located on the ground floor of Building E11A (the Administration Building adjoining the lake). The Gallery's opening hours are Monday, Tuesday, Wednesday and Thursday from 10.00am to 5.00pm. A variety of exhibitions are mounted throughout the year.

For further information contact Ms Rhonda Davis or Ms Kirri Hill tel: (02) 9850 7437; fax: (02) 9850 7565; email: rdavis@vc.mq.edu.au; web: www.artgallery.mq.edu.au

Research at Macquarie University

Research Management

The Deputy Vice-Chancellor (Research) is responsible for research strategic planning and research policy, and for administratively supporting all aspects of the University's research activities. The Office of the Deputy Vice-Chancellor (Research), within the Vice-Chancellor's Office, is directed by the Deputy Vice-Chancellor (Research), who chairs the Research Strategy and Policy Committee, the Research Management Committee, the Higher Degree Research Committee and the Intellectual Property and Commercialisation Committee.

The Research Strategy and Policy Committee assists the Deputy Vice-Chancellor (Research) in advising the Vice-Chancellor on research policy and, through its various assessment panels, on recommendations for the allocation of the University's research funds. The Research Management Committee, consisting mainly of the Divisional Associate Deans of Research provides the Deputy Vice-Chancellor (Research) with advice on discipline-specific matters and upon feedback regarding the University's Research Strategic Plan

The Higher Degree Research Committee assists the Deputy Vice-Chancellor (Research) in formulating higher degree research policy which is finally approved by Academic Senate. The Higher Degree Research Committee's two sub-committees are responsible for scholarships ranking/higher degree research students' leave of absence, and thesis examination processes, respectively.

The Intellectual Property and Commercialisation Committee advises the Deputy Vice-Chancellor (Research) on policy matters relating to the University's intellectual property. Its associated Committee, the Intellectual Property Commercialisation and Management Committee, advises the Deputy Vice-Chancellor (Research) on the management of contractual agreements, and the commercial exploitation of research.

The Office of the Deputy Vice-Chancellor (Research) has four sub-units, the Research Office, the Higher Degree Research Office, the Dean Higher Degree Research and a Quality Evaluations Unit.

The Research Office administers allocation of the University's internal research funds, all external research grant applications and contracts, and the ethical aspects of the University's research. It also provides performance data to the University's Executive and to government agencies such as the Department of Education, Science and Training, the Australian Research Council and the

Australian Bureau of Statistics.

The Dean, Higher Degree Research, provides strategic and policy advice to the Deputy Vice-Chancellor (Research), and also chairs the sub-committees of the Higher Degree Research Committee.

The Higher Degree Research Office is responsible for all administrative services associated with postgraduate research students, including enrolment, progression, completion and scholarships.

The Quality Evaluations Unit in 2007 has concentrated on matters associated with preparations for the Research Quality Framework Exercise scheduled for 2008.

Access Macquarie Ltd

Access Macquarie Ltd (AccessMQ) (ABN 59 003 849 198) is the commercial company of Macquarie University, established in 1989 as Macquarie Research Ltd. The company employs 25 administrative staff with a range of scientific, management and technology commercialisation experience. The company provides services in two major areas. In conjunction with the Intellectual Property, Commercialisation and Management Committee, it provides services associated with commercialisation of the University's intellectual property. In this capacity it handles the University's intellectual property portfolio, liaises with venture capitalists and is responsible for establishment of spin-off companies and licensing. The second major area is provision of services to the University including proposal preparation, contract administration and negotiations, invoicing, payroll, procurement, project accounting and report production. It also arranges adequate professional indemnity and public liability insurance for University academics who conduct their consulting activities through the company. AccessMQ employs more than 80 full-time research staff in projects on and off campus, and over 200 casual research staff in projects directed by Macquarie academics.

AccessMQ undertakes specialised profession development training and manages international development education projects in the Asia Pacific region.

AccessMQ is located on the first floor of the Dow Corning Building in the Macquarie University Research Park.

Further information is available at www.access.mq.edu.au and from Sharon Birrell, Executive Manager—Projects, phone (02) 9850 4724, fax (02) 9850 8128, email: sbirrell@access.mq.edu.au.

Macquarie University Research Park

Macquarie University Research Park was established by Macquarie to facilitate engagement between the University and industry. The presence of commercial enterprises on the campus encourages collaboration in research, teaching, and consulting. The Research Park is located on a seven hectare precinct within the University campus.

Over the last seven years there have been five buildings established providing over 48,000 square metres of com-

mercial space. There is capacity to develop a further 27,000 square metres of commercial space within the precinct.

Tenants in the Research Park include Nortel Networks, Goodman Fielder, Dow Corning, EMC Corporation, Siemens, Covance, BD (formerly Becton Dickinson), OPSM and Procter & Gamble. The University's own entity, Access Macquarie LTD and a number of its spin off companies are also located in the Research Park.

Further information is available at www.murp.mq.edu.au and from Adrian Briggs, Commercial Manager, telephone (02) 9850 6843, fax (02) 9850 8128, email adrian.briggs@mq.edu.au

University Centres

The University has established special Centres within the academic structure so that specialised activities, mainly at postgraduate level, can be pursued. In establishing these Centres, the University has recognised the necessity for the wider community to be made aware of the work undertaken by members of the University. In some of the Centres the facilities are used to support teaching at undergraduate level as well as research projects, and in some cases the work undertaken has specific applications to the needs of the community. Some information about each of the Centres follows.

NATIONAL RESEARCH CENTRES

Australian Proteome Analysis Facility (APAF)

The Australian Proteome Analysis Facility (www.proteome.org.au) was first established with Australian Commonwealth government support in 1996 as a Australian Major National Research Facility. It was the first integrated high throughput proteomics facility anywhere in the world. APAF has recently been refunded by the Commonwealth as the lead agency in a new consortium called Proteomics Australia as part of the overall Bioplatforms Australia NCRIS investment. Other members of the Proteomics Australia consortium include nodes at Monash University, University of NSW, Queensland Institute of Medical research (QIMR) and TGR BioSciences in Adelaide, who collectively continue to provide world leading expertise and cutting-edge in proteomics, monoclonal antibody production and cell-based signaling screening services.

Proteomics is a field of protein biochemistry pioneered and actually named as 'proteomics' by a PhD student called Marc Wilkins at Macquarie University in 1995 and is a science that is based on the high-throughput identification of proteins simultaneously along with their post-translational modifications. Proteomics enables the comparison, for example, of cells and tissues from normal and diseased states (eg cancer), the identification of new drug targets for various diseases or why some plant crop

strains are resistant to drought and temperature, and a multitude of other important biological questions. Proteomics technology is important because it enables the direct readout of the complete functional expression of the genetic roadmap of life (that is, the proteins that are coded by the genes), and this in turn provides a powerful new approach to realise new research breakthroughs.

APAF has more than 700 customers from all States and Territories of Australia, New Zealand, USA, Europe and several countries in Asia. APAF also has established collaborations with all of the major universities, teaching hospitals, government research agencies, cooperative research centres and, increasingly, technology vendors and industries operating in biotechnology throughout Australia.

Centre Director: Professor Mark S. Baker, BSc(Hons), PhD Macq.

ARC/NHMRC Research Network Fluorescence Applications in Biotechnology and Life Sciences

The aim of the Fluorescence Applications in Biotechnology and Life Sciences (ARC Research Network) is to inspire and coordinate multi-disciplinary research into applications of fluorescence which require a high degree of interaction of expertise in biology, physics, chemistry, bioengineering and medicine. Additionally the Network aims to facilitate the transfer of scientific approaches, technologies and applications to resolve industrially and medically relevant problems in areas such as public health, food processing and safety, and environmental monitoring.

The Network brings together key teams with world-class expertise in biological and biomedical sciences, chemistry, physics and optoelectronics. The network will consolidate these groups making it possible to translate scientific advances, from devising new fluorescent labels to system development, into market-driven products informed by knowledge of what the needs and emerging applications are. The internationally competitive Network acts as a repository of high level research expertise in all aspects of relevant technologies and generates appropriately qualified graduates. It forms an important part of the development of Australia's internationally competitive technology base and the associated industries.

Network Convenor: Professor Ewa M Goldys, MSc Warsaw, PhD Warsaw

ARC-NZ Research Network for Vegetation Function

The Network for Vegetation Function spans from functional genomics through ecophysiology and functional ecology to global change and evolutionary history. Participants are leading researchers from nearly 50 universities and research organisations in Australasia, Europe and the Americas.

The Network pursues research by bringing people from different disciplines together in working groups. These working groups address high-impact research targets by identifying areas that can benefit from active collaboration between leading scientists in the field. Our goals are to produce high-impact publication, to coordinate joint grant proposals, and to further development of young researchers through active collaboration and exchange.

Convenors: Professor Mark Westoby, BSc Edin., PhD Utah State, Dr Ian Wright, BSc Melb., PhD Macq.

ARC National Key Centre for Geochemical Evolution and Metallogeny of Continents (GEMOC)

GEMOC is based in the Department of Earth and Planetary Sciences in the Division of Environmental and Life Sciences and is independently funded from a mix of National Competitive Grants and industry sources. It has close collaborative links with CSIRO Exploration and Mining, Geoscience Australia (GA) and the exploration industry. GEMOC's activities involve four major inter-linked programs: research, teaching and training, post-graduate training and technology development.

GEMOC aims to understand how Earth's internal dynamics have generated the present chemical and physical structure of our planet through time and how the structure, composition and evolution of the of the deep Earth have controlled the location and processes of formation of major economic deposits in the Earth's crust. The objectives of the Centre include providing a leading research environment for development of the next generation of Australia's geoscientists and to deliver new concepts about the distribution of Earth resources to the mineral and energy industries.

The Centre has continued to develop a unique and world-class geochemical facility based on in situ imaging and microanalysis of trace elements and isotopic ratios in minerals, rocks and fluids. The world-class facilities and the expertise of the research staff have led to the formation of strong national and international research collaborations and programs focusing on large scale problems related to lithosphere evolution and understanding the relevance of different types of crust-mantle domains to area selection for mineral exploration.

Director: Professor Suzanne Y O'Reilly, BSc Syd, PhD Syd, FAA, Fellow of the Norwegian Academy of Science and Letters, FMSA

Earth System Science Network (ARC Research Network)

The ARC Research Network for Earth System Science (ARCNESS) represents the combination of two ARC seed-funded Networks—the Climate System Network and the Ocean Discovery Network. The Network coordinates national expertise in Earth System Science as it relates to climate and climate related problems. It brings together university researchers with climate experts at CSIRO, the Bureau of Meteorology, Bureau of Resource Sciences,

ANSTO and the Antarctic Division to facilitate an integrated attack on key science problems relating to the Australian environment and relating to key science questions in the international community. Website: www.arcness.mq.edu.au

Convenors: Professor Lesley Hughes, BSc Syd, PhD Macq, Professor Andy Pitman, BSc Liv, PhD Liv.

Macquarie Centre for Cognitive Science (MACCS)

Macquarie Centre for Cognitive Science (MACCS) was established in 2000 with funding from the University and from the Australian Research Council's (ARC) Special Research Centre program. Macquarie University recently recognised MACCS as one of its "Concentrations of Research Excellence". Accordingly, Macquarie awarded MACCS six new academic staff positions who will further enhance MACCS research environment.

MACCS hosts the only magnetoencephalography (MEG) laboratory in the southern hemisphere. This facility provides research opportunities into brain imaging for scholars in Australasia, and will be instrumental in training the next generation of cognitive neuroscientists in Australia. The MEG laboratory together with our existing facilities, provide a high quality research environment for MACCS staff and students.

MACCS was established to carry out research and to train new researchers in cognitive science. The three current research programs are:

- the language program: research on human language-processing with an emphasis on computational modeling, language acquisition, and on patterns of breakdown of language-processing after brain damage.
- the visual cognition program: research on various phenomena associated with the processing of brief visual displays, phenomena such as repetition blindness, the attentional blink, and failures of change detection.
- the belief formation program: research from a cognitive perspective on psychopathologies of cognition such as delusion, hallucination and confabulation.
- the action program: research on initiation and trajectories of hand and tongue movement to consciously and non-consciously perceived stimuli.

Further information is available on the web at: www.maccs.mq.edu.au

Director: Professor Max Coltheart, MA Syd, PhD Syd, DSc Macq, FASSA, FAA, FBA

Deputy Director: Professor Stephen Crain, BA Calf, PhD Calf, FASSA, FF

National Centre for English Language Teaching and Research (NCELTR)

NCELTR is a centre of excellence specialising in the provision of tailored university preparation programs and post entry support of Macquarie students, in academic literacies and professional communication.

These include:

- academic English programs
- discipline specific direct entry programs to Macquarie degrees
- higher degree research preparation programs
- in-sessional support in academic literacies and professional communication
- intercultural communication orientation and support programs
- IELTS testing
- IELTS online preparation programs
- IELTS test preparation short courses
- language auditing and testing for departments and the University.

Further information is available on the website at: <http://www.nceltr.mq.edu.au>, tel: (02) 9850 7667.

Head, English Language Programs: Sue Lubbers BA (Hons) Syd, Dip Ed Syd, MEd Syd

UNIVERSITY RESEARCH CENTRES

Ancient History Documentary Research Centre

The Ancient History Documentary Research Centre was established in 1981, to provide for the concentration upon documentary evidence within the research and development activities of the discipline. Published examples of the work done may be seen in the series *New Documents Illustrating Early Christianity*, which reviews the newly published inscriptions and papyri of a particular year. The periodical *Ancient History: Resources for Teachers* caters for professional development of secondary teachers.

In recent years professional research fellows have been engaged in the Centre on a dictionary of Roman biography, Greek inscriptions and papyri illustrating the New Testament, Greek and Christian papyri, and the history of the successor states after the later Roman empire. In 1996 a major archive on Manichaeism was transferred to the Centre from Europe, with the appointment of Professor Lieu. The Corpus Fontium Manichaeorum project, which is based on this archive, is sponsored by UNESCO and by the International Union of Academies. Since 2002 the Centre has also hosted (with support from the Australian Research Council) a major research project on the iconography and epigraphy of the Nestorian community in South China under the aegis of an international project on the history of Christianity east of the Euphrates.

The Centre helps to apply to these programs the financial support contributed to the Department of Ancient History through the Macquarie Ancient History Association, the Sir Asher Joel Foundation, The Rundle Foundation for Egyptian Archaeology, the Society for the Study of Early Christianity and the Australian Institute of Archaeology. These organisations are represented on a committee which advises the Directors of the Centre.

Further information is available at: <http://www.anchist.mq.edu.au/doccentre/ahdrc.html/>

Directors: Professor Samuel N C Lieu, BA Camb, MA Camb, DPhil Oxf, FRAS, FRHistS, FSA, FAHA; Professor Alanna Nobbs, BA Syd, PhD Syd

Australian Centre for Egyptology

The Australian Centre for Egyptology was established in 1989 to promote, plan and coordinate archaeological fieldwork undertaken by Australian scholars in Egypt, and to promote research in Egyptology in Australia and Egypt and to publish reports of excavation and studies in this field.

The Centre is currently undertaking major archaeological work at the important sites of Giza, Saqqara, Meir, Thebes and Helwan. The centre collaborates with the Egyptian Supreme Council of Antiquities and with the University of Suez Canal in Egypt on joint projects.

Further information is available at <http://www.egyptology.mq.edu.au/>.

Director: Professor Naguib Kanawati AM, BA Alexandria, MA Alexandria, PhD Macq, FAHA

Centre of Australian Category Theory (CoACT)

Category theory provides an algebra of widespread applicability for the synthesis and analysis of systems and processes in fields as diverse as physics and computer science, but also in mathematics itself. It can be used to clarify and simplify the learning, teaching and development of mathematics and computing. The Centre of Australian Category Theory (CoACT), within the Division of Information and Communication Sciences, was established in 1999 to conduct basic research on categories, train high-quality mathematics and computer science students, and pursue applications in geometry, physics and computing, and in finance and other industries. The Australian Category Seminar, started in 1971, is now held weekly at Macquarie University. The germ of the Research Centre has existed since 1986 when it was awarded a six-year Australian Research Council Program Grant. The output of the Centre and the quality of research work have been rewarded by continued ARC funding.

Further information is available at:

www.ics.mq.edu.au/CoACT
www.maths.usyd.edu.au/u/AusCat

Director: Emeritus Professor Ross H Street, BSc Syd, PhD Syd, FAA, FAustMS

Centre for Ecostratigraphy and Palaeobiology

The Centre for Ecostratigraphy and Palaeobiology was established in 1992 to undertake research in disciplines which lie between the earth sciences, the biological sciences and chemistry. It aims to facilitate networking and expand research collaboration in areas such as biostratigraphy, palaeobiology, ecostratigraphy, carbonate petrology and biochronology.

The staff and postgraduates of the Centre are involved in various research projects including extinction events, biochronology and the transgression-regression pattern for Australian Early and Middle Palaeozoic sequences. Other foci include conodont chronology applied to Australian Palaeozoic stratigraphy, volcanism and tectonics, palaeobiogeography of the Asia-Australian hemisphere, especially in relation to the amalgamation of Asia, and the application of electronic databases in palaeontology. Numerous fossil groups are pivotal to the research of the area, especially brachiopods, chitinozoans, conodonts, corals, fish, foraminifers, molluscs, stromatoporoids and vertebrate micro-remains.

Further information is available on the Web at www.es.mq.edu.au/MUCEP/.

Directors: Dr Glenn Brock, BSc Macq., MSc Macq., PhD Macq.

Dr Andrew Simpson, BSc Macq., PhD Qld

Centre for Emotional Health

The Centre for Emotional Health (CEH) is a centre of excellence that focuses on the understanding, treatment and prevention of anxiety, depression and related mental health problems. It builds on an existing concentration of researchers at Macquarie University who have built international reputations in these areas. The group provides a unique blend of theoretical conceptualisation, experimental expertise with practical development and application. This focus has helped the group already develop several “world-first” findings. We are widely cited for our work on aetiological modelling, low-cost dissemination of interventions, and prevention and early intervention.

Director: Professor Ron Rapee

Centre for the Integrative Study of Animal Behaviour

The Centre brings together staff and students from Psychology, Biological Sciences and the Graduate School of the Environment to explore behaviour by combining techniques and theoretical insights from disciplines ranging from neuroscience to molecular genetics.

Director: Associate Professor Chris Evans, MA Camb., MA Wash., PhD Wash., FABS

Centre for Language in Social Life

The Centre for Language in Social Life (CLSL) uses a wide range of linguistic and computational tools to interpret and model the ways in which language mediates in our experience of personal, institutional and electronic environments. Our discourse analytic methods allow us to track the character of whole networks of community members and/or the individual semantic profiles of particular participants. The approach can be applied, therefore, to any context in which meanings are exchanged; and the modelling can be adapted to work across languages or across different modalities in which a language might be expressed.

By analysing from context and semantics through to grammar and intonation, Centre members have been able to contribute across many kinds of text based projects – offers of clinical trials; compliance in HIV/AIDS treatments; genetic counselling; community services; modelling “risk”; service encounters; psychotherapeutic discourses; teaching styles; police interviews; journalistic practices; parenting styles; literary strategies; writing skills; religious genres; as well as the development of Intelligent Computing (based on natural language) and translation tools.

Current collaborations include ongoing work with the Brain Sciences Institute, RIKEN, Tokyo; Nagoya University Centre of Excellence in the Science of Texts; the Capital Markets CRC (with units from Sydney University and recently from UTS); Westmead, Nepean and Royal Prince Alfred Hospitals; the Centre for Values, Ethics and the Law in Medicine (University of Sydney), the National Institute of Linguistics (in East Timor and at the University of Western Sydney); and with leading research centres and departments in Cardiff, Birmingham, Singapore, Hong Kong, Toronto and Hyderabad.

The CLSL researchers encourage a wide variety of perspectives on discourse analysis including their specialist work on the development of Systemic Functional Linguistics.

Director: Associate Professor David G Butt, BA DipEd NSW, PhD Macq

Research Coordinator: Dr Alison Moore BAHons Macq, MPH Syd, PhD Macq

Centre for Research on Social Inclusion

The Centre for Research on Social Inclusion was established to stimulate multi-disciplinary social, cultural and philosophical research on key social issues.

The focus of the Centre’s research includes ways of imagining the social (especially in relation to nationalism and national identity); the economic, political and cultural determinations of inclusion and exclusion (particularly in the context of globalisation); the diagnosis of social pathologies (alienation, dependency, racism, crime); the understanding of social division (gender, sexuality, class, race, ethnicity, disability, age); inclusion, democracy and the requirements of justice (particularly the rights of minorities); the rights and obligations of inclusion (in relation to refugees and migrants); and demands for recognition in multicultural societies (especially amongst indigenous peoples).

In addition to the wide variety of research produced by our researchers the Centre also undertakes commissioned research and has active research partnerships with the community and government sector. The Centre for

Research on Social Inclusion is committed to disseminating the results of its research through publication and community outreach.

Director: Associate Professor Michael Fine, BA (Hons) Syd, PhD Syd

Dictionary Research Centre

The Dictionary Research Centre is associated with the Department of Linguistics, and is interactive with many interests in the discipline. It undertakes systematic research into lexicology, lexicography (monolingual as well as bilingual), terminography and terminology, as well as Australian and international English. Members of the Centre are engaged in researching and writing a grammar of Australian English under an Australian Research Council Discovery Grant. Its full range of activities is described on the website at <http://www.ling.mq.edu.au/drc>, along with those of the affiliated Style Council Centre and its conferences, whose proceedings are published by the Dictionary Research Centre. The Centre also undertakes consultancies in language usage, most notably in contributions to the recent (6th edition) Australian Government Style Manual.

The Dictionary Research Centre is committed to the development of multifunctional research tools, including the creation of computer corpora. It holds regular seminars with local and visiting experts in the field of lexicography and lexicology. The Centre is the current headquarters of AUSTRALEX, the Australasian Association for Lexicography.

Director: Professor Pam Peters BA (Hons) Melbourne, MA (Hons) Sydney.

Genes to Geoscience Research Centre

Genes-to-geoscience expects that the most interesting and important science over the next couple of decades will arise through bridging from molecular technologies and biological detail, up to world-scales in space and geology-scales in time. The Research Centre organises working groups and seminars in order to stimulate innovative and ambitious research projects. Participants are spread across several Departments and national research centres at Macquarie.

Director: Professor Mark Westoby

Macquarie University Special Education Centre (MUSEC)

Macquarie University Special Education Centre (MUSEC) enjoys an international reputation for the quality of its research and its excellence in postgraduate teaching in the area of Special Education.

Established in 1975, the Special Education Centre was one of the very first research centres to be initiated at Macquarie University. The Centre presently consists of three classrooms for children attending the MUSEC School for students with special learning needs, two sem-

inar rooms, clinic rooms, administrative offices, and accommodation for academic and research staff. The Centre is also home to an Early Intervention Network for families with babies and young children with developmental delay and professionals and support agencies working in this area.

The staff of Macquarie University Special Education Centre includes special educators, psychologists, teachers, therapists and researchers, backed by technical and administrative support staff.

Centre staff are involved in a variety of research projects, both on and off campus, focusing on the learning and behaviour difficulties of young children and school students with special needs and disabilities. Complementary program development ensures that research findings are translated into practical applications for implementation by teachers working with children with special needs in both regular and special schools.

For over 30 years MUSEC has been at the forefront in researching and developing data-based instructional and behaviour management procedures for students with disabilities and special needs. What is practised and what is taught are research-based, data-driven procedures of proven empirical effectiveness.

MUSEC currently offers five postgraduate certificates in Special Education, a postgraduate diploma and a Master of Special Education by coursework study, in addition to higher research degrees at master and doctoral level. Special educators holding a postgraduate qualification in Special Education from MUSEC are highly regarded as pre-eminent practitioners by the educational and broader disability industry.

Director: Professor Kevin Wheldall, BA Manc, PhD Birm, FBPsS, FCollP

MQ Photonics (including the Lasers and Photonics CORE)

MQ Photonics (a Macquarie University Research Centre) and the associated Lasers and Photonics CORE stem from the Centre for Lasers and Applications (set up in 1988 as an Australian Commonwealth Special Research Centre). Activities in this area comprise world-class research in laser physics, optics, photonics, optoelectronics, optical engineering, quantum electronics and their wide-ranging applications, particularly in medical, industrial and communications technology.

MQ Photonics aims to achieve and maintain the University's international prominence in the following six central areas of research activity: biophotonics; microphotonic optical systems; nanooptics and nanophotonics; optical sensing and imaging; photonic sources; ultrafast laser applications. Special emphasis is placed on facilitating postgraduate training in laser physics and photonic science. MQ Photonics operates in several specialised research laboratories located within the Departments of Physics and of Electronic Engineering in the Division of Information and Communication

Sciences. Over 40 staff and research students are engaged in its work.

Director: Professor Brian Orr, BSc Syd, MSc Syd, PhD Brist, FRACI, FAIP, FOSA

Risk Frontiers

The underlying theme of the Risk Frontiers' work is the building of safer communities through the responsible management of natural hazard risks. To this end, Risk Frontiers helps insurance companies better understand their exposure to natural hazards and, through the development of catastrophic loss models, the rational pricing of catastrophic risk. It also undertakes research for and offers expert advice to insurance companies, emergency management organisations and a wide range of other national and international groups.

Risk Frontiers now has a complete suite of probabilistic models that calculate exceedance loss statistics for insured assets for the full range of natural perils afflicting Australia. A PerilAUS database contains data on more than 5000 hazard events, their location and consequences for both building damage and loss of life. The sale of these models and databases comprises an important income stream for the Centre.

Riverine flood risk continues to be a major focus for Risk Frontiers. A high proportion of the major flood-prone areas in Australia have been documented at the individual street address level. A review of historical flood damage to residential homes and contents now allows these street address flood risk ratings to be converted to probable dollar losses.

A vital component of Risk Frontiers' work is post-event assessment to understand how natural perils affect buildings. To this end, Risk Frontiers spent several weeks this year immediately after the 2004 Boxing Day tsunami inspecting building damage caused by both ground accelerations and tsunami wave forces in some of the worst affected parts of Sumatra, Sri Lanka and Thailand.

Risk Frontiers is sponsored by Aon Re, ARPC, Benfield Australia, Guy Carpenter, IAG Insurance, QBE, the Suncorp-Promina group and Swiss Re. The range of partner organisations illustrates the breadth and significance of Risk Frontiers' research.

Director: Professor John McAneney, BSc (Hons) Auck, MS, PhD Madison-Wisconsin

Speech, Hearing and Language Research Centre

The Speech Hearing and Language Research Centre was established in 1968 and currently has over 30 members. The Centre conducts a broad range of research programs in experimental phonetics, speech technology, audiology and hearing science, speech pathology, experimental linguistics and natural language processing. The Centre receives funding from the Australian Research Council and other external sources, and runs both audiology and speech pathology clinics.

The Centre also supports numerous undergraduate and postgraduate programs, including the B Speech and Hearing Sciences and the MSc, Speech and Language Processing program. SHLRC has built up extensive resources for speech and language analysis, including the following:

- a network of 20 SUN workstations with extensive disk storage facilities running various software systems for speech and language processing;
- a network of Macintosh workstations used primarily for natural language processing and speech pathology research and analysis, and numerous other PCs;
- fully-equipped audiology and speech pathology clinics with facilities for audiological teaching; and
- a sound recording studio, speech perception and speech physiology facilities including air-flow/pressure equipment and kinematic equipment for measuring jaw/lip/tongue movement.

Further information is available at www.shlrc.mq.edu.au

Director: Dr Linda Cupples, BSc Monash, PhD Melb

Associate Director: Dr Robert Mannell, BSc NSW, BA NSWIT, BA Macq, PhD Macq

OTHER UNIVERSITY CENTRES

Australian Centre for Ancient Numismatic Studies

The Australian Centre for Ancient Numismatic Studies was established in 1999 to promote research in the field of ancient numismatics and to thereby further the study of ancient history. It is the first Australian institution to be dedicated to this mission. The Centre provides a means of linking national and international research programs concerned with ancient coinage.

To promote its aims the Centre facilitates the visits of scholars to Macquarie University, and provides scholarships and fellowships to students and scholars wishing to undertake numismatic research.

The Centre promotes the study and publication of ancient coins held by Macquarie University and by other Australian institutions. It also seeks to support the publication of numismatic research undertaken by Australian scholars. Through its director the Centre provides curatorial assistance in the management of the ancient coin collections held by Macquarie University.

Further information is available on the web site at www.humanities.mq.edu.au/ACANS/

Director: Dr Kenneth A. Sheedy, BA Syd, MA Syd, PhD Syd

Centre for Advanced Computing — Algorithms and Cryptography

The Centre for Advanced Computing — Algorithms and Cryptography (ACAC) was established in November 2001. The Centre integrates researchers from the

Division of Information and Communication Sciences and fosters research and postgraduate teaching in the broad area of algorithms and cryptography.

The mission of this centre is to conduct cutting-edge research that leads to breakthroughs in the theory and practice of algorithms and cryptography. The Centre will foresee and identify future trends and issues in the above areas and advance them as scientific disciplines.

The goals of the Centre are to:

- develop and maintain leading research in the three core disciplines of the Centre, namely
 - algorithms and complexity,
 - cryptography,
 - quantum information theory
- develop and maintain leading research in areas of overlap between the core disciplines of the Centre
- maintain knowledge and expertise in foundational studies that underpin research in the Centre
- identify future information and computation systems and technologies and to conduct research in these new areas
- produce new methods, techniques and protocols to fully exploit new information and computation technologies
- service industry and government requirements for research, development and advice regarding advanced computing technologies
- provide education and training on topics relevant to the Centre's activities and to provide expert support for developing new subjects in the Departments of the Division of Information and Communication Sciences
- enhance the profile of research into advanced computing (algorithms and cryptography) at Macquarie University.

Director: Professor Josef Pieprzyk, BSc Bydgoszcz, MSc Torun, PhD Warsaw

Centre for Chiropractic

Chiropractic is an important part of complementary medicine, which recognises the importance of body structures and how they affect health. Chiropractic is now the third largest healing profession today. The programs offered in chiropractic are fully accredited and internationally recognised. Professional accreditation with the NSW Chiropractic Registration Board requires the award of Master of Chiropractic. Successful completion of the Bachelor of Chiropractic Science program allows entrance into the Master of Chiropractic program. The programs offered in chiropractic are fully accredited and internationally recognised. Professional accreditation with the NSW Chiropractic Registration Board requires the award of Master of Chiropractic. Successful completion of the Bachelor of Chiropractic Science program allows entrance into the Master of Chiropractic program.

For further information phone (02) 9850-1354 or email cjolliff@els.mq.edu.au.

Chiropractic Practice Manager: Mr Chris Jolliffe

Centre for Language Technology

The Centre for Language Technology was instituted as a Divisional research centre in the Division of Information and Communication Sciences in 2001.

The principal aims of the Centre are to carry out world-class research in language technology and natural language processing; to elevate the profile of this work both nationally and internationally; to enhance collaboration with industry; and to provide a focal point for language technology research in Australasia.

The Centre constitutes the single largest body of expertise in language technology within Australasia; Macquarie has had a significant research group operating in this area in the Department of Computing since 1996. Research activities are largely focussed on the development of practical natural language processing techniques—the research projects of members cover such varied topics as speech processing, spoken language dialogue systems, text analysis and information extraction, text summarisation, question answering systems, machine translation, and natural language generation.

The Centre operates weekly research group discussion meetings and hosts the SALS-SIG (Sydney Area Language and Speech Special Interest Group) seminar series, which is a recognised stopping point for international researchers in the field when they visit Australia.

Many of the Centre's staff teach on Macquarie's unique undergraduate program in Language Technology.

Director: Professor Robert Dale, BA Stir, PhD Edin

Centre for Policing, Intelligence and Counter Terrorism

The Centre for Policing, Intelligence and Counter Terrorism (PICT) operates as a high level, cross disciplinary centre of Macquarie University, offering postgraduate courses, seminars, consultancy services, and opportunities for research in areas associated with security studies. The Journal of Policing, Intelligence and Counter Terrorism is a scholarly journal that is published bi-annually by the Centre.

Postgraduate programs, including double degree programs, are available through on-campus and online modes from Certificate to Master level and include a wide range of units covering policing, international terrorism, intelligence, international security, transport security and computer forensics, PICT also offers research programs at Master and PhD levels.

The Centre draws together senior academics and leading professionals specialising in the research, theory and operation and management of issues associated with all levels of security, protecting both the national interest and the rights of individuals and groups within society.

Director: Professor The Hon. Peter Anderson AM.

Graduate Accounting and Commerce Centre (GACC)

The Graduate Accounting and Commerce Centre is located within the Division of Economic and Financial Studies and manages postgraduate programs in the areas of accounting, finance, business, international business, information systems/technology, marketing and value chain management. There are also double degrees with international relations, international communication and biotechnology. All programs are contemporary and related to the career needs of graduate students.

A wide range of units is offered including business internships and offshore exchange programs. GACC has over 800 students, many of whom are international which provides opportunities for cultural exchange and the development of global alumni networks. Students have access to excellent computing and library resources and enjoy strong links with industry, commerce and professional bodies.

The teaching staff consists of academic and practising professionals which ensures students are exposed to the widest range of research, ideas, perspectives and methodologies. The teaching approach used encourages innovative thinking, teamwork and effective oral and written communication. Traditional teaching methods are complemented by on-line delivery of some course content.

The GACC encourages and participates in research and publication across all areas of business with a particular emphasis on industry linked projects.

Director: Professor Peter Eddey, BCom NSW, MCom NSW, FCA, FCPA

Assistant Director: Chris Baumann, Economist SEBA (Switzerland), MBA (Simon Fraser), DBA (MGSM)

Labour-Management Studies Foundation

The Labour-Management Studies Foundation (LMSF) was established by Macquarie University's Council in 1983. It is jointly hosted by the Division of Economic and Financial Studies and the Macquarie Graduate School of Management.

The primary goal of the LMSF is to contribute to higher levels of understanding of industrial relations and human resource management issues through research and the dissemination of ideas via publications, lectures, seminars and conferences.

The Foundation annually hosts Australia's most influential conference on employment relations, management and female equity, the Women, Management and Employment Relations (WMER) conference as well as specialised workshops in a number of areas.

The current research focus of LMSF is in the areas of workplace consultation and employee participation practices, performance management and the participation rates of women at senior levels of business. In the latter

area the LMSF undertakes the research for the biannual *Australian Census of Women in Leadership* which is published by the Equal Opportunity for Women in the Workplace Agency. This research analyses the participation rates of women in senior executive teams and on company boards in the ASX 200 companies.

For further information about LMSF activities please visit the website at www.lmsf.mq.edu.au

Director: Associate Professor Peter McGraw, BA Lei, MA Warw.

Macquarie ICT Innovations Centre

The Macquarie ICT Innovations Centre is a collaborative initiative between Macquarie University and the NSW Department of Education and Training. The collaboration promotes innovation and the enhancement of teaching and learning through the flexible and interactive use of ICT (Information and Communication Technologies).

The Macquarie ICT Innovations Centre aims to achieve best practice through leadership in:

- teaching and learning using ICTs
- professional preparation and professional learning
- supporting teachers in curriculum development and delivery
- research to enhance teaching, student learning, and professional development and innovation.

Directors: John G Hedberg, BSc Syd, MEd Syd, PhD Syr, M S J (Mike) Johnson, BSc DipEd Syd, PhD Syd, Margaret Fitzgerald, Grad Dip Comp Ed Syd, Deborah Evans, BA Dip Ed Macq.

Macquarie Japanese Studies Centre for Teaching Development (MJS Centre)

The Macquarie Japanese Studies Centre for Teaching Development was established in 1995 to develop the teaching strength of Japanese Studies at Macquarie and to provide the community with scholarly and innovative teaching. The Centre promotes links between the University and the Community and plays key roles in:

- Professional Development (eg Postgraduate Certificate in Intercultural Language Teaching and Pedagogy)
- Internship Programs
- Youth Seminar Series
- MJS Teaching/Research Scholarships/Grants

Director: Tomoko Koyama, BA Sophia (Japan), MA Macquarie.

Macquarie University Applied Finance Centre

The Macquarie University Applied Finance Centre was established within the School of Economic and Financial Studies (now the Division of Economic and Financial Studies) early in 1980. The Centre's activities are in three areas:

- teaching—the Master of Applied Finance Degree program is offered in Beijing, Singapore, Tokyo, Melbourne and Sydney.
- research—covers the area of financial markets, risk management, investments and corporate finance. Conferences are arranged on major issues. Research results are published in MAFC Papers.
- services—the Centre seeks to ensure that University information services are available to finance communities in Asia-Pacific finance centres.

Director: Professor Phil Dolan, BA Macq, MBA UNSW, PhD Stan

Macquarie University Centre for Environmental Law

Macquarie University has a strong history of involvement in environmental studies and its centre for Environmental Law (MU-CEL) was one of Australia's first. It has been formally recognised as an independent Centre of Excellence within the University since 2000. The Centre builds on the research strengths of the academic staff and focuses on international, comparative and national environmental law, biodiversity, planning and local government law, pollution law, heritage law, corporate environmental law, Indigenous peoples and environmental rights, water and marine law, trade and environment, governance and environmental litigation and mediation. It is primarily responsible for the delivery of the postgraduate program within the Division of Law. All programs except the LLM are available to lawyers and non-lawyers. MU-CEL through the Division of Law also offers a number of research degree programs including a Doctor and Master of Philosophy (PhD and MPhil). Members of MU-CEL also teach in the undergraduate LLB program.

MU-CEL publishes the Macquarie Journal of International and Comparative Environmental Law, a leading, internationally peer reviewed journal on issues such as climate change and ozone depletion, pollution, wildlife, biodiversity and sustainable development.

MU-CEL members have held senior executive positions in the Commission on Environmental Law of the World Conservation Union (IUCN) as well as a wide range of other international, industry, government and community organizations including UNESCO and the NSW Environmental Defenders Office. Macquarie University through its Centre for Environmental Law is a founding member of the IUCN Academy of Environmental Law.

MU-CEL has many co-operative research and teaching arrangements with several overseas universities and institutions around the world including the National University of Singapore (Asia Pacific Centre for Environmental Law); Ritsumeikan Asia Pacific University, Beppu, Japan; the Indigenous Peoples and Law Program at the University of Arizona; the Washington College of Law, American University, Washington DC; WWF-India; Pace University, USA; United Nations University, Institute of Advanced Studies, Tokyo, M. C. Mehta Environmental Foundation (India),

Wuhan University's Research Institute of Environmental Law, (PRC), Shanghai's Jiao Tong University's Environmental Resources Law Institute, and the IUCN, Centre for Environmental Law, Bonn, Germany.

MU-CEL encourages student and staff exchanges and together with the Division of Law, sponsors a distinguished visitors program.

Further information on MU-CEL is available from its web site <http://www.law.mq.edu.au/MUCEL/index.htm>

Director: Professor Michael Jeffery QC, BA Tor, LLB Tor, LLM York(Can)

Macquarie University Centre for Japanese Economic Studies

The Macquarie University Centre for Japanese Economic Studies was founded in 1991 as a result of a generous donation from Nomura Securities, Tokyo, and the untiring efforts of the late Professor Victor Argy. In 1992, Professor Mitsuaki Okabe of the Bank of Japan became its first director. The Centre has actively promoted research on the Japanese economy, publishing a series of research papers as well as three books on the Japanese economy. Apart from arranging international conferences and seminars, the Centre has also played a key role in developing courses at Macquarie University which promote greater knowledge about all aspects of Japan.

Director: Dr Craig Freedman, BA St.John's(Md), MBA Calif, MA Mass, PhD Mass

Macquarie University E-learning Centre Of Excellence (MELCOE)

Macquarie University's E-learning Centre Of Excellence (MELCOE) is an international focal point for e-learning infrastructure and standards development. The Centre consolidates Macquarie University's position at the leading edge of best practice in e-learning. MELCOE is a recognised leader in implementing open standards and open source software for learning technology.

Through collaborations with educational organisations, government and commercial partners, MELCOE fosters the adoption of the next generation of distributed e-learning and information systems. MELCOE's major projects include the next generation e-learning system "LAMS" (Learning Activity Management System), and the national identity and access management infrastructure project "MAMS" (Meta Access Management System). MELCOE also provides a national advisory service on open source software in higher education and research called "ASK-OSS" (the Australian Service for Knowledge of Open Source Software). Since being established in 2003, MELCOE has received over \$10 million in external project funding.

Director: Professor James Dalziel, BA (Hons), PhD (Syd)

INSTITUTES

Australian Research Institute in Education for Sustainability

ARIES is the Australian Research Institute in Education for Sustainability and is primarily funded by the Australian Government Department of the Environment and Water Resources.

Its core business is to undertake action research that informs policy and practice in education for sustainability across a range of sectors including: business and industry, school education, community education, and further and higher education.

ARIES adopts an innovative approach to research with a view to translating awareness of sustainability issues into action and change. ARIES is concerned with how we inform, motivate and manage structural change towards sustainability.

Acting Director: Janelle Thomas

MAJOR RESEARCH NODES

Macquarie University also provides a major node for the following Centres and Networks:

- Australian Research Council Network in Human Communication Science (HCSNet)
- Centre for Quantum Computing Technologies (CQCT) (ARC Centre of Excellence)
- Centre for Ultra-high Bandwidth Devices for Optical Systems (CUDOS) (ARC Centre of Excellence)
- Cooperative Research Centre for Coal in Sustainable Development (CCSD)
- Cooperative Research Centre for Innovative Grain Products
- Capital Markets Cooperative Research Centre (CMCRC)
- Environmental Biotechnology Cooperative Research Centre