Central Commencement Program
For Master of Research Candidates
Semester 1, 2017
Acknowledgement of Country
BPhil/MRes Central Commencement 2017

Professor Sakkie Pretorius, Deputy Vice-Chancellor (Research)
BPhil/MRes Central Commencement 2017

Professor Nick Mansfield, Dean HDR
Transition to Research

- From UG/Coursework: *Consuming Knowledge* ...
- To Research: *Making Knowledge*
- MRes/MPhil/PhD
What is Research?

“The creation of new knowledge and/or the use of existing knowledge in a new and creative way so as to generate new concepts, methodologies and understandings. This could include synthesis and analysis of previous research to the extent that it leads to new and creative outcomes.”

- Australian Government
Structure of MRes

- Year 1: 8 coursework units
- Research Frontiers
- Research Comms
- Situating your own ideas
Year 2 Activities

- Research Frontiers 2
- Literature Review
- Research Methods
- Research Planning

- Thesis (Pilot or PhD)
MRes to PhD

1. PhD/MPhil: the difference
2. Better Preparation
3. Better support (scholarships)
4. International opportunities
Who We Are in HDR

DVC (Research)
HDRO
Dean HDR

Associate Deans HDR
MRes Directors/Advisors
Faculty HDR Office

Departmental Directors

HDR Support and Development

Committees: RRTC, TESC (Thesis Examinations Sub-Committee), HDRMC
Understanding the Research Environment and The Master of Research Candidate Journey

Central Commencement Program, February 2017

Dr Ren Yi

Executive Director Research Training
And International Research Training Partnerships
At a glance

- 90 per cent of our graduates under the age of 25 are employed in their first full-time job within six months of completing their study.
- $1 billion invested in infrastructure and facilities in recent years.
- 85 per cent of our research is rated at world standard or higher by the Australian government.
- Among top 100 universities in the world for graduate recruitment.
- 50 countries and over 150 partner universities for exchange.
- 8200 students in PACE (Professional and Community Engagement) since its inception.
- Over 38,000 students.
- 23 researchers ranked in the top one per cent in the world.
- 150,000 alumni in more than 140 countries.
- 20 companies on campus providing access to job opportunities.
- 10,000 degrees awarded annually.
- 15 kilometres from the Sydney CBD.
Macquarie’s structures

- Faculty of Science and Engineering
- Faculty of Arts
- Faculty of Human Sciences
- Faculty of Business and Economics
- Faculty of Medicine & Health Sciences
- Macquarie Graduate School of Management
A 10-year Strategic Research Framework

Research Priorities
5

Research Themes
14

Research Streams
69
Future-shaping Research Priorities

Healthy People
Pioneering health, integrated healthcare and lifelong learning for wellness in our ageing world

Resilient Societies
Understanding cultures in our changing world and building ethical, just and inclusive communities

Prosperous Economies
Strengthening economic productivity to promote prosperity in our diverse world

Secure Planet
Sustaining our interdependent world and exploring our place in the universe

Innovative Technologies
Advancing our interconnected world with frontier technologies, systems, designs and creative practice
Four Key Objectives

Key objective 1:
Accelerate World-Leading Research Performance

Key objective 2:
Prepare world-ready higher degree research candidates

Key objective 3:
Engage as a world-recognised research collaborator of choice

Key objective 4:
Deliver research with world-changing impact
Accelerate your ambition
HIGHER DEGREE RESEARCH | 2017

Ms Ina Geedicke
Joint PhD Candidate with
University of Hamburg
Under the supervision of
Professor Michelle Leishman
Our HDR Candidates develop the skills and competencies to succeed in the dynamic and changing world of work.

HDR Candidates statistics (2017, approx.)

- 2,000 Higher Degree Research Candidates
- 500-600 Master of Research Candidates
- 30-40% International Candidates
University Scholarships @ MQ

MQ invests around AUD$35 mil. per year in scholarship funding, enabling over 200 new HDR and MRES enrolments per year.

- International Macquarie University Research Excellence Scholarships (MQRTP & IMQRTP)
- Cotutelle IMQRTP scholarships with research partner universities
- Faculty top-up Scholarships, e.g. grants for travel & research related expenses
National Structure of Research Integrity Management in Australia

National Responsibility
1. 2007 Australian Code for Responsible Conduct of Research (2007 Code)
2. Australian Research Integrity Committee

Institutional Responsibility
1. The Macquarie University Code for the Responsible Conduct of Research
1. Institutional Policy on Research Misconduct

Researcher Responsibility
1. HDR students Induction/Orientation program
2. Workshops on Research Integrity
Principles on international research collaboration

Macquarie University Code for the Responsible Conduct of Research
- [http://www.mq.edu.au/policy/category.html#research](http://www.mq.edu.au/policy/category.html#research)

Singapore Statement on research integrity (2010)

OECD principles (2009)
MQ aims to provide you with a research culture, climate and community that supports your research journey. But - it also includes your own engagement with other HDR students, staff and the wider MQ community.

Faculty HDR contacts (Managers):
- Faculty of Business & Economics – **Lin Bai**
- Faculty of Human Sciences - **Robyn Bishop**
- Faculty of Arts - **Maryanne Hozijan**
- Faculty of Science – **Jane Yang**
- Faculty of Medicine and Health – **Tania Kinane / Viviana Bong**
- MGSM - **Kerry Daniel**
Cotutelle & Joint PhD
A program delivering Key Research Objectives
## Background, context and key foundations

### INTERNATIONAL RESEARCH TRAINING PARTNERSHIPS - BASELINE (2016)

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>290</td>
<td>Cotutelle and joint PhD candidates*</td>
</tr>
<tr>
<td>110</td>
<td>Cotutelle and joint PhD collaborating partners*</td>
</tr>
<tr>
<td>30</td>
<td>Countries involved in cotutelle and joint PhD arrangements*</td>
</tr>
<tr>
<td>168</td>
<td>Cotutelle candidate completions*</td>
</tr>
<tr>
<td>75</td>
<td>Priority partners in 21 countries (and 68 preferred partners)</td>
</tr>
<tr>
<td>3</td>
<td>Regional partnership tiers – strategic, developing and emerging</td>
</tr>
<tr>
<td>25</td>
<td>Disciplines involved in current programs</td>
</tr>
<tr>
<td>41</td>
<td>Universities with Academic Senate approval for joint PhDs</td>
</tr>
<tr>
<td>118</td>
<td>Current cotutelle and joint PhD candidate enrolments</td>
</tr>
<tr>
<td>69</td>
<td>Percent of current candidates with European universities</td>
</tr>
<tr>
<td>20</td>
<td>Percent of current candidates with Chinese universities</td>
</tr>
<tr>
<td>10</td>
<td>MRes exchange partners established (a path to cotutelle/joint PhD)</td>
</tr>
<tr>
<td>1</td>
<td>Strategic tri-lateral partnership: MQ-FU-HAM</td>
</tr>
<tr>
<td>1</td>
<td>Australian university participating in IDEALAB joint PhD</td>
</tr>
<tr>
<td>15</td>
<td>Joint funding agreements with key international funding agencies</td>
</tr>
<tr>
<td>35</td>
<td>IDEALAB PhD candidates (including 30 current enrolments)</td>
</tr>
</tbody>
</table>

* Since 1999
International research training partnerships

277 CANDIDATES AT 110 UNIVERSITIES IN 30 COUNTRIES*
## Cotutelle & Joint PhD

<table>
<thead>
<tr>
<th>Cotutelle</th>
<th>Joint PhD</th>
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<tbody>
<tr>
<td>Joint enrolment at MQ and an overseas university</td>
<td>Joint enrolment at MQ and an overseas university</td>
</tr>
<tr>
<td>Priority institutional partners – but open to all universities subject to approval</td>
<td>Institutional partners require Academic Senate Approval</td>
</tr>
<tr>
<td>Institutional memorandum of understanding (MOU) not compulsory</td>
<td>Institutional MOU/agreement required</td>
</tr>
<tr>
<td>Separate progress assessments</td>
<td>One university is designated as the lead</td>
</tr>
<tr>
<td>Single thesis submitted to both universities</td>
<td>Single thesis submitted to the lead university</td>
</tr>
<tr>
<td>Separate Examination</td>
<td>Joint examination</td>
</tr>
<tr>
<td>Two testamurs</td>
<td>One joint testamur</td>
</tr>
<tr>
<td>Two graduation ceremonies</td>
<td>One graduation ceremony</td>
</tr>
</tbody>
</table>
Cotutelle & Joint PhD
FACT & FIGURES

Science & Engineering
103 Students (43.86%)

Business & Economics
20 students (8.77%)

Medicine & Health
5 students (1.75%)

Human Sciences
54 students (23.68%)

Arts
52 student (21.93%)
### Why do we do it?
Establishing deep and continuing relationships

<table>
<thead>
<tr>
<th>Institutions</th>
<th>Candidate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deepens and strengthens research collaborations and networks at an institutional level</td>
<td>Exposure to different academic environments through joint enrolment and supervision</td>
</tr>
<tr>
<td>Fosters a higher level of cooperation between researchers in their respective fields through co-supervision</td>
<td>Training experiences and access to the latest research equipment and technologies at two institutions</td>
</tr>
<tr>
<td>Provides access to new funding schemes as well as new international enrolments</td>
<td>International networking opportunities that will expand future employment opportunities through exposure to new academic institutions and new industries</td>
</tr>
<tr>
<td>Provides an opportunity to increase joint publications, citation rate and rankings</td>
<td>Access to new funding schemes</td>
</tr>
<tr>
<td>Make the institution more attractive to potential candidates</td>
<td>Experience a new culture and environment and develop soft skills</td>
</tr>
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International Doctorate for Experimental Approaches to Language and Brain

Group photo taken at the Rovereto winter school (2015 Feb)

The Erasmus Mundus PhD Program International Doctorate for Experimental Approaches to Language And Brain offers an outstanding interdisciplinary, laboratory-based 3-year doctoral training to its candidates to study structure, processing and foundations of human language integrating interdisciplinary approaches.
MQ-FU-HAM Trilateral Strategic Partnership

The German Academic Exchange Service (DAAD) with the support and funding from the German Federal Ministry for Education and Research (BMBF) has in 2012 launched the "Strategic Partnerships and Thematic Networks" program, which encourages more intensive partnerships at the university level, in contrast to a department-level managed partnership.
Example of Cotutelle Testamur
Example of Joint PhD Testamur
Example of EU Joint PhD Testamur
International Research Opportunities
Master of Research Exchange
1. Institution level overarching agreements

2. Faculty level groundwork on course equivalence and supervisor availability

3. Application Process

4. Faculty consideration/approval

5. HDRO consideration/approval/offer/enrolment

6. Pastoral Care

7. Capturing success stories/reporting/ongoing international partnership development
Institution level overarching agreements

University of Potsdam, Germany
University of Heidelberg, Germany
University of Hamburg, Germany
Justus Liebig University Giessen, Germany
University of Goettingen, Germany
Karlsruhe University of Applied Sciences, Germany
Ecole Central de Lyon, France
Tel Aviv University, Israel
Hebrew University of Jerusalem, Israel
East China Normal University, China
Dalian University of Technology, China

More under negotiation ..
Application Process

The MQ application form on our website – include proposed courses OR communication/agreement with proposed supervisor

Partner institution specific templates and requirements to be completed

Overarching Process Map on our website

We recommend students plan 2-6 months in advance (exchange with existing partner)
Consider Costs and Funding

Tuition fee paid to home University (where applicable)

Outbound exchange students are covered by University insurance for indemnity and additional travel insurance,

Inbound exchange students must purchase additional travel insurance and OSHC

Macquarie University scholarships for outbound Macquarie University MRes students as on our website
Thank You

Current students: www.hdr.mq.edu.au

Future students: www.mq.edu.au/research/phd-and-research-
MRES700 Research Communications

Dr Florence Chiew
Unit Convenor
MRES700 explores the ways in which our disciplinary training (mindsets, habits and practices) shape how we relate to our own work, and communicate with other researchers.

The main aim of this unit is to help us appreciate the importance of critical reflection in learning and communication.
What is critical reflection?

• An extension of critical thinking

• It asks us to think about our attitudes, practices and ideas and it challenges us to step back and examine our thinking by asking probing questions.

• Critical reflection presents strategies and tools to help us become more engaged in our research and writing.
MRES700 aims to

- Encourage you to participate in the *creation* of knowledge – to recognise your own intellectual skills and sense of voice in communicating your research

- Develop skills in interpreting and translating your research for a wider, non-specialist audience

- Give you an opportunity to experience the generosity of academic work in reviewing your own and others’ texts

- Develop inspiring relations with how you read and write, and importantly, to establish a sustainable research practice into the future
FAQs

• When should I take MRES700?
• How much FTF contact is there?
• Can I take the unit externally?
• Do I need to register into a tutorial?
• Is there a Unit Reader?
MRES700 Readings

For Session 1 (external mode):
Unit Readings will be available on the iLearn unit for the course

For Session 2:
• Readings will be available on the iLearn unit and online through the library
  http://www.library.mq.edu.au/reserve/
To access MRES700 Readings

Go to the MQ Library website
www.mq.edu.au/about/campus-services-and-facilities/library
Online component

ilearn = MQ’s learning management system (moodle)

Lecture recordings and slides; weekly tasks; assignment briefs, marking guidelines & submission; library training videos

Go to ilearn.mq.edu.au to login. Look for MRES700 under “Session 1, 2017” or “Session 2, 2017”
Log into eStudent to register into classes

http://students.mq.edu.au/home/

For instructions, go to:
https://students.mq.edu.au/student_admin/enrolmentguide/enrolment_faqs/
Teaching staff

Unit convenor:
Semester 1 (in external mode): Dr Florence Chiew
Semester 2: Dr Florence Chiew
Semester 3: Dr Demelza Marlin

Tutors (Semester 2 only):
• Humanities: Dr Michelle Jamieson
• Science: Dr Adele Thomas
• Social Science: Dr Demelza Marlin
• Social Science/Humanities: Dr Florence Chiew
We will be in touch soon!

florence.chiew@mq.edu.au
MORNING TEA
What is Research Integrity?

Research integrity can be defined as the trustworthiness of research due to the soundness of its methods and the honesty and accuracy of its presentation.

- Draft Singapore Statement 2010
Academic freedom is the foundation of the University.

It is the right to put forward a position and have that position openly debated.

The principles of Academic Freedom only hold if researchers act with integrity.
Research Integrity
WHY DOES IT MATTER?

- Reliability of research
- University’s reputation
- Reliability of degrees
- Health and safety
- Funding
- Criminal investigation
Responsible Conduct of Research:
- Principles and practices of good research
- Applies to all research

Research Ethics:
- Standards for research with humans, animals and GMO’s
The Responsible Conduct of Research

THE MACQUARIE CODE
Principles and Practices

MAIN TOPICS ADDRESSED:

- General principles of responsible research
- Management of research data and primary materials
- Supervision of research trainees
- Publication and dissemination of research findings
- Authorship
- Peer Review
- Conflicts of Interest
- Collaborative research across institutions
Where to get Information

The Macquarie Code:
http://mq.edu.au/policy/category.html#research

The Australian Code:

Online resources...
• Epigeum Research Integrity Course on iLearn
• The Lab - http://ori.hhs.gov/thelab
• The Research Clinic - http://ori.hhs.gov/TheResearchClinic
Breach of the Code – Failure to comply with the code or policy

Research misconduct involves all of the following –
• an alleged Breach of the Code
• intent & deliberation, recklessness or gross and persistent negligence
• serious consequences

Examples of research misconduct:
• fabrication, falsification, plagiarism or deception
• failure to declare or manage a conflict of interest
• failure to follow research proposals as approved by a research ethics committee
• wilful concealment or facilitation of research misconduct
Research Integrity Advisors

- Associate Deans of Higher Degree Research and Research

- RIAs can provide advice on good research practice
  - Talk about issues before they become problems

- RIAs also provide advice about reporting breaches

- If you have concerns:
  - Talk to any RIA, not just in your faculty
  - Talk in hypotheticals
  - Get their help and advice in preparing your complaint
Reporting research misconduct
OR BREACHES

• We all have an obligation to report suspected breaches or misconduct

• Discuss your concerns with an Advisor

• Reports made to Director, Research Ethics and Integrity

• Research.integrity@mq.edu.au

www.dx.doi.org/10.1038/453980a
Research Ethics
APPLYING FOR ETHICAL APPROVAL AT MACQUARIE
The core of ethical research

Ethical and responsible research (and use of research data) has, at its core, a judicious balancing of benefits against any risks/potential harms.

This means...

Advancement of knowledge
Attainment of potentially significant social and individual benefits

must be balanced against

Protection of vulnerable parties
# Research ethics oversight

<table>
<thead>
<tr>
<th>Research type</th>
<th>National requirements</th>
<th>Macquarie Committee</th>
<th>Forms, guidelines, information</th>
</tr>
</thead>
</table>
| **Human**     | *National Statement on Ethical Conduct in Human Research (2014)* | • MQ Human Research Ethics Committees x 2  
• Faculty Committees | 10 meetings/year  
See website |
| **Animal**    | *Australian for the care and use of animals for scientific purposes (2013)* | • MQ Animal Ethics Committee | 10 meetings/year  
See website |
The Biosecurity Act 2015 | • MQ Institutional Biosafety Committee | 3 meetings a year & virtual meetings as necessary  
See website |

**Requirement in order to submit thesis and publications**

Human research ethics
Responsibilities to *human* research participants

- Approval must be obtained from an HREC for all research involving and observing humans, their samples and their data.

**Applications are reviewed against the *Four Principles***:

- **Research Merit and Integrity**
  - Justifiable and appropriate

- **Justice**
  - Fair recruitment and access to benefits

- **Beneficence**
  - Benefit must justify risks

- **Respect for Human Beings**
  - Respect human value and autonomy

Animal research ethics
Responsibilities to *non-human* research participants

All work with animals must be approved by the AEC

**Key principles of working with animals:**

**The 3 ‘R’s**

- **Replacement**
  Methods that avoid or replace the use of animals

- **Reduction**
  Methods that minimise the number of animals used

- **Refinement**
  Methods that minimise the pain, suffering, distress or lasting harm

Your Responsibilities

- Follow the standards
- Get training
- Talk regularly with your supervisor
- Ask if your project needs approval
- Seek advice if you think there is something wrong
- Report breaches
The take-home message

- Be aware of relevant regulation/legislation

- But don’t think of responsible/ethical research as just about regulatory/legal compliance

- Instead, habituate yourself to engaging in continuous reflection on the values implicit in academic research:
  - Does your research project & practice reinforce or undermine these values?
  - Does your conduct reflect ethical engagement with colleagues, co-researchers, supervisors, assessors/reviewers, fellow postgraduates, research participants, animal subjects, etc.?
  - If you have a bad feeling or feel uneasy about something, talk to someone.
Contact us
WHERE TO SEEK ADVICE

HUMAN RESEARCH ETHICS
• Ethics.Secretariat@mq.edu.au

ANIMAL RESEARCH ETHICS
• Animal.Ethics@mq.edu.au

BIOSAFETY
• Biosafety@mq.edu.au

RESEARCH INTEGRITY
• Research.Integrity@mq.edu.au
Thank you

Good luck with your research!
Application process

**Prepare**
- Download the Ethics form
- Work with your supervisor to prepare the application prior to the ethics deadline

**Submit**
- PDF & email to: ethics.secretariat@mq.edu.au
- Include all associated documents such as PICFs (include version dates on all documents)

**Review**
- Applications are risk-assessed
- Reviewed by either an HREC or Faculty Sub-Committee

**Revise**
- The Committee may ask for revisions to be made before the application can be approved

**Approve**
- When all concerns are addressed you will receive an approval letter from the Committee

**Research**
- Get on and do your research
- Report any Adverse Events

**Amend**
- You can request amendments to approved protocols
- Submit using an Amendment Request Form

**Report**
- Complete your progress and final reports as required
Biosafety, biosecurity and gene technology

CENTRAL COMMENCEMENT PROGRAM

Dr. Liette Vandine
February 2017
Biosafety

Biosecurity and gene technology

Facilities

Institutional Biosafety Committee
Biological Safety

EMERGING INFECTIOUS DISEASE HOTSPOTS, 1940 - 2012

No. of EID events

- 1
- 2–3
- 4–5
- 6–7
- 8–11

Image source: Nature 2008
Biosafety (Biological safety)

WHAT IS BIOSAFETY?

• Safe handling of infectious micro-organisms and hazardous biological agents

• Classifies micro-organisms into four risk groups (RG)
  • RG1 – *E. coli* K-12, *Lactobacillus, Saccharomyces cerevisiae*
  • RG2 – *Cryptosporidium, HIV*
  • RG3 – Lyssa Virus, HIV
  • RG4 – Ebola Virus

• Defines the containment level, facility design and specialist equipment required for work involving risk group micro-organisms

• Encompasses work practices and training required for working with each risk group
  • Must follow AS/NZS 2243.3 Microbiological Safety and Containment
Biosafety

WHO DOES BIOSAFETY APPLY TO?

• Basic biosafety principles apply to everyone who works with biological agents
  • Sample integrity – protect from contamination
  • Reputational risks – publication retraction, non-repeatable results

• Lower risk research
  • Tagging or capturing wild animals
  • Pre-screened human clinical samples
  • Molecular analyses on plants and RG1 or inactivated microorganisms

• Higher risk research
  • Culturing of RG2 and above microorganisms
  • Zoonotic pathogens
  • Genetically and synthetically modified organisms
  • Materials requiring biosecurity containment
  • Un-screened clinical samples
High risk biological research

GENE TECHNOLOGY

- Genetically modified organisms and synthetically modified organisms

- Four GMO Dealing classifications:
  - Exempt Dealings
  - Notifiable Low Risk Dealings (NLRD)
  - Dealings NOT involving Intentional Release (DNIR)
  - Dealings involving Intentional Release (DIR)

- Strict approval processes, containment requirements, training and monitoring requirements to maintain our Accreditation and DNIR licences


- Regulator: Office of the Gene Technology Regulator (OGTR)
High risk biological research

BIOSECURITY

- Importation of products which have originated outside of Australian borders

- Individual certification process, **Fit and Proper Person** self declaration and Import Permits are required

- Strict approval processes, containment requirements, training and monitoring requirements to maintain our Institutional **Approved Arrangements**

- Legislation: *Biosecurity Act, 2015*

- Regulators: Department of Agriculture and Water Resources (DAWRs)

- Additional enforcement agencies: NSW Environmental Protection Authority (EPA) and NSW Department of Primary Industries (DPI)
Facilities

LABORATORIES FOR HIGH RISK RESEARCH

- **ALWAYS** follow door signage
- Physical Containment Facilities (OGTR)
  - PC1 – FSE
  - PC2 – FSE and FHMS
- Approved Arrangements (DAWRs) (OGTR)
  - BC1 – FSE
  - BC2 Microbiological – FSE
  - BC2 Microbiological and Animal – MARS and FMHS

Image source: Nature 2008
Institutional Biosafety Committee (IBC)

OUR RESPONSIBILITIES

1. Overseas research approvals for all work involving:
   - RG2 and above microorganisms and zoonoses
   - GMO and SMO projects
   - Projects involving materials requiring biosecurity containment
   - Security Sensitive Biological Agents

2. Monitoring lower risk research projects

3. Monitoring and auditing laboratory compliance and laboratory personnel behaviour

4. Reporting annually to DVC-R and external regulators (OGTR and DAWRs)

http://www.research.mq.edu.au/current_research_staff/gene_technology_and_biosafety

You **will not** graduate if you do not include your IBC approval in the back of your thesis
Your responsibilities

FOR YOURSELF AND YOUR MINION

1. To undertake training and be informed with the biosafety risks present in your work

2. Work safely in the laboratory

3. Ensure that any volunteer or intern is supervised, trained and also understands biosafety risks associated with the research
Contact Details

**Liette Vandine**  
liette.vandine@mq.edu.au  
Biosafety and Biosecurity Officer, Risk and Assurance

Emma Kirk  
biosafety@mq.edu.au  
Secretary, Institutional Biosafety Committee, Research Office
What can your library do for you?

MACQUARIE UNIVERSITY LIBRARY SERVICES
FOR MASTER OF RESEARCH STUDENTS
LIBRARY SERVICES FOR HDR STUDENTS

1. About the Library
2. Research Consultations
3. Borrowing & Study Spaces
4. Getting Material from other Libraries
5. Organising your Research
6. Getting your Thesis Online
7. Training and Help
Individual Consultations

YOUR RESEARCH LIBRARIAN CAN PROVIDE:

- An introduction to relevant information resources.
- Strategies for effective database searching.
- Advice on setting up and managing search alerts.
- Help locating high impact journals.

Find your Research Librarian on the Library website.
Your Research Librarians

Research Librarians consult with academic staff and postgraduate students about library services and information resources to support research, teaching and learning.

What can your Research Librarian do for you?

We can:

- work with you to support your teaching and research activities
- advise you on the best sources of information for your research
- provide information skills training to find and manage information for research
- meet with you to discuss your research needs

Find your Research Librarian

<table>
<thead>
<tr>
<th>Faculty of Arts</th>
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<tbody>
<tr>
<td>Faculty of Business &amp; Economics</td>
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<tr>
<td>Faculty of Human Sciences</td>
<td>+</td>
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<tr>
<td>Faculty of Science and Engineering</td>
<td>+</td>
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<td>MGSM</td>
<td>+</td>
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<tr>
<td>Faculty of Medicine &amp; Health Sciences</td>
<td>+</td>
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<tr>
<td>Find your Research Librarian by Name</td>
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Borrowing

BORROW AN UNLIMITED NUMBER OF BOOKS FOR 16 WEEKS (PLUS 5 RENEWALS)

AUTOMATED RETRIEVAL COLLECTION REQUESTS VIA MULTISEARCH

ONLINE ACCESS TO BORROWING DETAILS VIA MULTISEARCH INCLUDING HOLDS AND RENEWALS
Higher Degree Researchers Study Space (Level 5)

Apply online for access.

- Swipe card access.
- Over 150 seats.
- Desktop power for laptops.
- Free daily lockers.
- Vending machine.
- Macquarie wireless network access.
Interlibrary Loans

If we don’t have it, you can request it...

- Borrow from other libraries.
- E-documents delivered to your desktop.
- Or, suggest a new purchase.
Managing your Research

Bibliographic Referencing Software

Introduction

Citations

A citation provides information needed to locate a book, journal article or other resource. These are usually listed in a bibliography, index or database.

- **Book**: Generally a book citation would include author, title, place of publication, publisher and date of publication.

  > Author's name | Title of book | In bold or underlined | Publication details | Date

- **Journal article**: Generally, a journal article citation will include author(s), title of the article, journal title, volume, issue number, start and end page numbers, and date of publication.

  > Author(s), Name. *Title of Article*. *Journal Title*, *Volume* (*Issue*), *Page Numbers*, *Date*

How to use this guide

Most bibliographic management software allows you to:

- Create bibliographic records for your citations, either by manual entry or electronically, mainly from databases and library catalogues.
- Manage this data by allowing the addition of personal notes, attachments and sorting of records.
- Link to word processing documents to insert in-text or footnote citations and construct bibliographies.
- Access a range of citation styles.
- Access a range of format types (book, journal article, book chapter).

Macquarie University has a licence for two bibliographic management software packages.
# HDR Workshops

The University offers a suite of HDR support and development programs for research candidates and supervisors. These cover the areas of Supervision Enhancement, Learning Skills, Professional Skills and Mentorship.

Research candidates have access to face-to-face workshops (listed below) and online resources, including the HDR Learning Skills iLearn unit, which houses materials and recordings of face-to-face HDR workshops. Members of the HDR Learning Skills iLearn unit also receive advanced notification when new courses are available for registration. Other self-paced resources are listed on our Online Resources webpage.

HDR Support and Development face-to-face events for 2017 are listed below. Please note that workshop details are subject to change, and participant numbers are strictly limited so registration is essential.

## February

<table>
<thead>
<tr>
<th>Date</th>
<th>Workshop</th>
<th>Time</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>24/02/2017</td>
<td>Thesis Formatting Workshop (for PC)</td>
<td>09:30 AM - 04:00 PM</td>
<td>Library Training Room M4.02 (Level 4)</td>
</tr>
</tbody>
</table>

## March

<table>
<thead>
<tr>
<th>Date</th>
<th>Workshop</th>
<th>Time</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>01/03/2017</td>
<td>EndNote Basic for PC</td>
<td>02:00 PM - 04:00 PM</td>
<td>Library Training Room M4.02 (Level 4)</td>
</tr>
<tr>
<td>02/03/2017 - 06/04/2017</td>
<td>Writing for Social Scientists</td>
<td>02:00 PM - 04:00 PM</td>
<td>Library Training Room M4.02 (Level 4)</td>
</tr>
<tr>
<td>02/03/2017</td>
<td>Mendeley, Introductory course</td>
<td>02:00 PM - 04:00 PM</td>
<td>Library Training Room M4.02 (Level 4)</td>
</tr>
<tr>
<td>13/03/2017</td>
<td>SPSS Introductory Course</td>
<td>10:00 AM - 12:00 PM</td>
<td>Library Training Room M4.02 (Level 4)</td>
</tr>
<tr>
<td>15/03/2017</td>
<td>NVivo v11 full-day workshop (for PC)</td>
<td>09:15 AM - 04:30 PM</td>
<td>Library Training Room M4.02 (Level 4)</td>
</tr>
<tr>
<td>15/03/2017 - 19/04/2017</td>
<td>Humanities Research Writing Basics</td>
<td>10:00 AM - 12:00 PM</td>
<td>Library Training Room M4.02 (Level 4)</td>
</tr>
<tr>
<td>21/03/2017</td>
<td>SPSS Intermediate course</td>
<td>09:30 AM - 04:30 PM</td>
<td>Library Training Room M4.02 (Level 4)</td>
</tr>
<tr>
<td>31/03/2017</td>
<td>Thesis Formatting Workshop (for PC)</td>
<td>09:30 AM - 04:00 PM</td>
<td>Library Training Room M4.02 (Level 4)</td>
</tr>
</tbody>
</table>

[http://hdrworkshops.mq.edu.au/](http://hdrworkshops.mq.edu.au/)
Research Output Management and Support

- [ResearchOnline](#) Macquarie University's open access digital collection
- Digital Thesis Program: submission guidelines and form
- [Research Identifiers](#): ORCID, Scopus ID, ResearcherID, Google Scholar profiles
- Government Reporting including HERDC and ERA
- [Open Access at Macquarie](#) a guide
- [Research data management](#) assistance with data description and DOI generation
- [Copyright and IP advice](#) contact information and introductory guide
- [Copyright for research](#)
Getting Your Thesis Online

Macquarie University ResearchOnline

Trove for other examples
Need Help?

**Tours:** Monday 20th – Friday 24th March
Monday to Friday @ 1:15pm

**Workshops** are available to help you with:
- Using Research Databases
- Organising your research (EndNote)

**Individual Consultations** with your Research Librarian

**Online:**
- EndNote and Mendeley tutorials and guides
- Subject and Research Guides
Physical Opening Hours
SESSION 1 – CHECK LIBRARY WEBSITE

Current Hours:

Levels 1 & 2

<table>
<thead>
<tr>
<th>Monday - Friday</th>
<th>Saturday - Sunday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8am - 8pm</td>
<td>10am - 6pm</td>
</tr>
</tbody>
</table>

Levels 3, 4 & 5

<table>
<thead>
<tr>
<th>Monday - Friday</th>
<th>Saturday - Sunday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8am - 11pm</td>
<td>10am - 6pm</td>
</tr>
</tbody>
</table>
See you at the Library
HDR Professional Skills Program
Sally Purcell
HDR Professional Skills Program

- Audit & expand upon professional skills
- Develop career development planning skills
- Understand employer needs
- Enhance career opportunities
- Build connections
- Translate skills for employers
Questions to consider ... seriously

• What are your reasons for doing a M.Research?
• How will your M.Research help you achieve your goals?
• What else do you need to do to achieve your goals?
• When do you need to start?
Your career, your responsibility

• Start thinking about life post Masters of Research now
• Build your networks
• Understand your values
• Grow your technical, interpersonal & transferable skills
• Get involved, contribute & start early
Workshops include ... Career Development Planning, Job applications & Interviews, Wellbeing - Resilience & Motivation, Communication, Events Management, Research Partnerships, Grant applications, Social Media – LinkedIn, Twitter

Events ... networking with employers

iLearn online options ... in development

Website ... in development
Career and Employment Service … available to you

Tailored individual career consultations – C7A (MUSE building)
- Open Mon – Fri (year round)
- Support in developing skills in Job search, Application & Resume, Career planning
- Mock interviews and online resume/application review service

Jobs on and off campus
- Register for CareerHub: https://www.careerhub.mq.edu.au

Connecting with employers (register via CareerHub)
- Employer presentations (year round)
- Careers Fair (Sem 1 & 2)

Career and Employment Service
C7A Muse building Ph: 9850 7372
Email: careers@mq.edu.au
Careers website - www.careers.mq.edu.au
www.facebook.com/macquarieuniversitycareerservice
Thank you
Campus Wellbeing and Support Services

2017
The Campus Wellbeing and Support Service is a comprehensive service offered by Macquarie University to support and care for students.

Our services can be accessed by MQ students and are free.
Respectful Relationships
Ensure PERSONAL safety

Macquarie University has a lower than average crime rate. If you are victim of a crime report it.

Macquarie University has many places for support

We care about your wellbeing and safety.

If you need help at anytime
call 1800 CARE MQ (1800 2273 67)
This is a free call from landline anywhere in Australia.
Standard call rates apply from mobile phones
In an emergency call 000 (ambulance, fire or police).

Other useful contact numbers.

Lifeline 13 11 14
Domestic & Family Violence 1800 737 732
NSW Rape Crisis Centre 1800 424 017
Victim Support Line 1800 633 063
Poisons Information Line 13 11 26
Campus Wellbeing 9850 7497
Security 9850 7112
Campus Security

In the case of an emergency on Campus

Call Campus Emergency - 02 9850 9999  
http://www.mq.edu.au/about/campus-services-and-facilities/security

Security Control Centre is opposite the Library, Building C3C.  
24 hours per day, 7 days a week.  
Responds to any type of emergency.

Emergency help points - automatically connect you with Campus Security

Walking escorts - 9850 7112 to arrange an escort
Online Programs for Students

University Wellbeing Course

... The University Wellbeing Course is designed to teach practical skills for managing symptoms of stress, anxiety, worry, low mood and depression.
Thank you

Campus Wellbeing and Support Services
Level 2, Lincoln Building, C8A
P: 9850 7497
MRes – My Experiences!

-Simran Talwar
Read as much as you can!
Write, write and write!
You’re special, you are a HDR!!
There will be highs, and there will be lows...
Allow this to be a holistic journey …
“Life is like a camera. Focus on what’s important, capture the good times, develop from the negatives and if things don’t work out, just take another shot.”
Landing on the Moon:

Small Step — One Man
Giant Leap — Mankind

Getting a Ph.D.:

Giant Leap — One Person
Tiny, Insignificant Step — Mankind

simran.talwar@hdr.mq.edu.au
MRes and HDR candidates
The university’s heroes… Well not just yet!

Fabiola Barba Ponce
PhD Candidate Organisational Psychology
20 February 2016
MRes and HDR candidates are like super heroes...
Some are born... some are made
Some heroes doubt... some don’t.
As diverse as universe...

...as unique as finger prints
AW HELL NO.
Super powers for the battle
Villain:
Distant sense of achievement (many years to get there!!)

Super power:
Volunteer using my extra talents and mentoring
Villain: Situational depression

Super power: HDRO staff, psychologist and meditation
Villain:
Too much with myself and my research only, but really... TOO MUCH!!

Super power:
workshops, shut up and write and community events
To infinity and beyond...
Mission: MQ Future ready
Secret code: TACO Tuesday

Take action
Ask for help
Comfort zone to CERO
Organise and join social gatherings
• HDR mentors, student groups, own Facebook groups and MQ initiatives
May the force be with you
Creating a new culture of scholarly community
Strategic Research Framework: 2015-2024

Key objective 1:
Accelerate World-Leading Research Performance

Key objective 2:
Prepare world-ready higher degree research candidates

Key objective 3:
Engage as a world-recognised research collaborator of choice

Key objective 4:
Deliver research with world-changing impact
HDR Mentors

Purpose & Aim

- Increase formation of research community, reduce sense of isolation, increase intellectual climate
- Improve peer level support, foster a scholarly community between MRes and PhD students
- Improve BPhil/MRes student experience, promote feeling of belongingness
- Create networking opportunity between MRes, PhD students and faculty staff members

To create a peer to peer platform to support and enhance the research quality, capability and experience of the research students
Dimensions of HDR Mentors

- Building research network
- Skills development
- Linking Alumni and Industries
- Tackling current issues: PhD employability
- Peer to peer support
- Developing social integrity
Diversity of HDR Mentors

**WHO ARE WE?**

- PhD & MRes
- Domestic & International

**WHERE ARE WE?**

- 5 Faculties & MGSM
- 15 Departments

**OUR BACKGROUND**

- 10 Nations
- 16 Languages

**INDUSTRY EXPERIENCE**

- 12 Industry sectors
HDR Mentors

Mentoring

One to one support → Mentors ← Community support
HDR Mentors

What do we do?

Academic and skills development support
- Peer-to-peer mentoring panel session
- Research communication skills development
- Writing skills development
- One to one peer support

Social and community support
- Cultural exchange program
- Networking development program
- Outreach program
HDR Mentoring

- Experience sharing sessions
- Starting your research journey
- Thesis submission challenges
- One to one support to mentees along their MRes journey
MRes Mentors

• Session for MRes Year 1: Starting your BPhil/MRes journey
  • taking interdisciplinary units
  • supervision
  • work/life balance
  • research skills
  • project management
A platform for HDR students to practice, share and enhance knowledge
HDR Lounge
Academic events

HDR peer to peer presentation day
• HDR Peer to Peer presentation day
• 5 minutes to peers from cross disciplinary candidates, to cross disciplinary audience
• Limited to 10 participants per session

Write Now
• Weekly session: every Wednesday, starting from 9 March
• 12-2pm
• Writing Consultants available
Cultural Sharing Pot Luck Dinner
Day trips
HDR Lounge
Welcome lunch

Thursday, 3 March 2016, C5A 315
HDR MENTORS

Are you a higher degree research student looking to be a mentor or to access mentoring and peer to peer support? The HDR Mentor program is a platform for HDR students to:

- Increase formation of research community, reduce sense of isolation, increase intellectual climate
- Improve peer level support, foster a scholarly community between MRes and PhD candidates
- Improve HDR student experience, promote feeling of belongingness
- Create networking opportunity between MRes, PhD candidates, faculty staff members, alumni and industry.

The HDR Mentors Program aims to create a peer to peer platform to support and enhance the research quality, capability and experience of the HDR Candidates.
HDR Mentors social media
Facebook: hdmrmentors
Want to know more?

C5C East, Room 312

Email: hdrmentors@mq.edu.au
Faculty HDR Representatives

**Arts**
Associate Dean, HDR
*Dr Andrew Alter*
Faculty HDR Manager
*Maryanne Hozijan*
MRes Director
*Dr Victoria Flanagan*

**Business & Economics**
Associate Dean, HDR
*Prof Lorne Cummings*
Faculty HDR Manager
*Lin Bai*

**Human Sciences**
Associate Dean, HDR
*A/Prof Judith Homewood*
Faculty HDR Manager
*Robyn Bishop*
MRes Director
*Dr Annabelle Lukin*

**Medicine & Health Sciences**
Associate Dean, HDR
*Prof. Mark Connor*
MRes Director
*A/Prof Ann Goodchild*
Student Services Manager
*Tania Kinane*

**Science & Engineering**
Associate Dean, HDR
*A/Prof Tracy Rushmer*
Faculty HDR Manager
*Jane Yang*
MRes Director
*A/Prof Bridget Mabbutt*

**MGSM**
Director, HDR
*Dr Vito Mollica*
Research Office Executive
*Kerry Daniel*
Please complete the CCP FEEDBACK SURVEY before leaving.