MEDI7001
Medical Research Foundations - Ethics, Integrity and Practice
Session 1, In person-scheduled-weekday, North Ryde 2022

Medicine, Health and Human Sciences Faculty level units

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General Information

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Convenor
Ann Carrigan
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Jennifer Rowland
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Credit points
10

Prerequisites
Admission to BPhil/MRes

Corequisites

Co-badged status

Unit description
This unit will cover a range of key topics critical to good research practice in Medical Sciences. Presented by lecturers from the various disciplines represented in the faculty, the unit will focus on good research practice, ethics, fundamentals of different research approaches, and research reproducibility. You will explore how best to pose questions, design and deliver their research, with a strong emphasis on integrity, leadership, and cultural competence. The focus will be on the principles that underlie effective research in all disciplines of health systems, clinical and biomedical research. This unit is recommended to all students wishing to pursue robust and high quality research.

Important Academic Dates
Information about important academic dates including deadlines for withdrawing from units are available at https://www.mq.edu.au/study/calendar-of-dates

Learning Outcomes
On successful completion of this unit, you will be able to:

ULO1: Describe good practice in Medical Research, including ethics, integrity and leadership.
ULO2: Explain the fundamentals of different research types and approaches.
ULO3: Pose effective research questions, and describe key components in research design.
ULO4: Critique different methodologies that might be applied to address research questions.

**General Assessment Information**

All final grades are determined by a grading committee, in accordance with the Macquarie University Assessment Policy, and are not the sole responsibility of the Unit Convenor. Students will be awarded a final grade, which corresponds to the grade descriptors specified in the Assessment Procedure (clause 128).

To pass this unit, students must demonstrate sufficient evidence of achievement of the learning outcomes, meet any ungraded requirements including professionalism, and achieve a final mark of 50 or better.

Further details for each assessment task will be available on iLearn.

**Student Professionalism**

In the Faculty of Medicine, Health and Human Sciences, professionalism is a key capability embedded in all our courses. As part of developing professionalism, students are expected to attend a minimum of 80% of all small group interactive sessions including tutorials, as well as clinical- and laboratory-based practical sessions.

Similarly, as part of developing professionalism, students are expected to submit all work by the due date. Applications for assessment task due date extensions must be supported by appropriate evidence and submitted via AskMQ. For further details, please refer to the Special Consideration Policy and the overview of eligibility requirements for Special Consideration.

**Late Submission**

All assignments that are officially received after the due date, and where no extension or special consideration has been granted, will incur a deduction of 5% per day, including weekends and public holidays and the actual day received. This will continue up until 10 days after due date, after which the assignment if submitted will be awarded a mark of zero. For example:

<table>
<thead>
<tr>
<th>Due date</th>
<th>Received</th>
<th>Days late</th>
<th>Deduction</th>
<th>Raw mark</th>
<th>Final mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday 14th</td>
<td>Monday 17th</td>
<td>3</td>
<td>15%</td>
<td>75%</td>
<td>60%</td>
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**Assessment Tasks**

<table>
<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Hurdle</th>
<th>Due</th>
</tr>
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<tr>
<td>Debate/Role Play</td>
<td>20%</td>
<td>No</td>
<td>Weeks 3 &amp; 4</td>
</tr>
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### Debate/Role Play

**Assessment Type**: Debate  
**Indicative Time on Task**: 16 hours  
**Due**: Weeks 3 & 4  
**Weighting**: 20%

Students debate a key topic.

On successful completion you will be able to:
- Describe good practice in Medical Research, including ethics, integrity and leadership.
- Explain the fundamentals of different research types and approaches.

### Timeline

**Assessment Type**: Report  
**Indicative Time on Task**: 8 hours  
**Due**: Week 5  
**Weighting**: 10%

Referenced table and reflection outlining history of human ethics framework.

On successful completion you will be able to:
- Describe good practice in Medical Research, including ethics, integrity and leadership.
- Explain the fundamentals of different research types and approaches.

### Journal Article Review

**Assessment Type**: Report  
**Indicative Time on Task**: 24 hours  
**Due**: Week 8  
**Weighting**: 30%

Students complete a journal article review.

On successful completion you will be able to:
- Describe good practice in Medical Research, including ethics, integrity and leadership.
• Explain the fundamentals of different research types and approaches.
• Pose effective research questions, and describe key components in research design.
• Critique different methodologies that might be applied to address research questions.

**Poster and talk**

Assessment Type: Poster
Indicative Time on Task: 30 hours
Due: Week 13
Weighting: 40%

Poster presentation to address key research questions.

On successful completion you will be able to:
• Describe good practice in Medical Research, including ethics, integrity and leadership.
• Pose effective research questions, and describe key components in research design.
• Critique different methodologies that might be applied to address research questions.

1 If you need help with your assignment, please contact:
• the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
• the Writing Centre for academic skills support.

2 Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

**Delivery and Resources**

The unit will be delivered on Thursdays between 12 Noon and 4 PM, with a series of lectures, tutorials and workshops. There are no set texts, but preparatory material will be circulated prior to the face to face sessions (via iLearn), and most lecture slides will be available after the class (if not before). You will need access to a computer to write assignments and make posters and presentations, and you should, where possible, bring a laptop to class.

**Policies and Procedures**

Macquarie University policies and procedures are accessible from Policy Central (https://policies.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

• Academic Appeals Policy
• Academic Integrity Policy
• Academic Progression Policy
Student Support

- Assessment Policy
- Fitness to Practice Procedure
- Assessment Procedure
- Complaints Resolution Procedure for Students and Members of the Public
- Special Consideration Policy

Students seeking more policy resources can visit Student Policies (https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit Policy Central (https://policies.mq.edu.au) and use the search tool.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/admin/other-resources/student-conduct

Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Academic Integrity

At Macquarie, we believe academic integrity – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free online writing and maths support, academic skills development and wellbeing consultations.

Student Support

Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

The Writing Centre

The Writing Centre provides resources to develop your English language proficiency, academic writing, and communication skills.

- Workshops
- Chat with a WriteWISE peer writing leader
- Access StudyWISE
- Upload an assignment to Studiosity
- Complete the Academic Integrity Module
The Library provides online and face to face support to help you find and use relevant information resources.

- Subject and Research Guides
- Ask a Librarian

Student Services and Support

Macquarie University offers a range of Student Support Services including:

- IT Support
- Accessibility and disability support with study
- Mental health support
- Safety support to respond to bullying, harassment, sexual harassment and sexual assault
- Social support including information about finances, tenancy and legal issues

Student Enquiries

Got a question? Ask us via AskMQ, or contact Service Connect.

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.