



# 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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#### **Disclaimer**

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## General Information

Unit convenor and teaching staff

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Convenor

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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:

Due date	Received	Days late	Deduction	Raw mark	Final mark
Friday 14th	Monday 17th	3	15%	75%	60%

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#">Debate/Role Play</a>	20%	No	Weeks 3 & 4

Name	Weighting	Hurdle	Due
<a href="#">Timeline</a>	10%	No	Week 5
<a href="#">Journal Article Review</a>	30%	No	Week 8
<a href="#">Poster and talk</a>	40%	No	Week 13

## Debate/Role Play

Assessment Type <sup>1</sup>: Debate

Indicative Time on Task <sup>2</sup>: 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 <sup>1</sup>: Report

Indicative Time on Task <sup>2</sup>: 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 <sup>1</sup>: Report

Indicative Time on Task <sup>2</sup>: 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 <sup>1</sup>: Poster

Indicative Time on Task <sup>2</sup>: 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.

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<sup>1</sup> 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.

<sup>2</sup> 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 \(https://policies.mq.edu.au\)](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](#)

- [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 \(https://students.mq.edu.au/support/study/policies\)](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 \(https://policies.mq.edu.au\)](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](http://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto: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/](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.