



# MEDI705

## Medical Research Foundations - Ethics, Integrity and Practice

S1 Day 2019

*Medicine and Health Sciences Faculty level units*

### Contents

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<u>General Information</u>	2
<u>Learning Outcomes</u>	2
<u>General Assessment Information</u>	3
<u>Assessment Tasks</u>	4
<u>Delivery and Resources</u>	5
<u>Policies and Procedures</u>	6
<u>Graduate Capabilities</u>	8
<u>Changes since First Published</u>	11

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#### **Disclaimer**

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## General Information

Unit convenor and teaching staff

Co-convenor

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Co-convenor

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Credit points

4

Prerequisites

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. Students 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:

Demonstrate a clear understanding of good practice in Medical Research, including

ethics, integrity, and leadership.

Explain the fundamentals of different research types and approaches.

Capacity to pose effective research questions, and describe key components in research design.

Critique different methodologies that might be applied to address research questions.

## General Assessment Information

### General Assessment Information

Grade descriptors and other information concerning grading are contained in Schedule 1 of the Macquarie University Assessment Policy, which is available at: <https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/assessment>.

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

All final grades in the Master of Research/Bachelor of Philosophy are determined by a grading committee and are not the sole responsibility of the Unit Convenor.

Students will be awarded a final grade plus a Standardised Numerical Grade (SNG). The SNG is not necessarily a summation of the individual assessment components. The final grade and SNG that are awarded reflect the corresponding grade descriptor in the Grading Policy.

To pass this unit, students must demonstrate sufficient evidence of achievement of the learning outcomes, attempt all assessment tasks, meet any ungraded requirements including professionalism and achieve an SNG of 50 or better.

### Student Professionalism

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

Furthermore, lectures and seminars are key learning activities that you are expected to attend the course. While audio recordings and lecture slides may be made available following large group sessions, it is important to recognise that such resources are a study aid - and should not be considered an alternative to lecture or seminar attendance.

Students who do not maintain adequate attendance (greater than or equal to 80% of scheduled classes) may be deemed unable to meet expectations regarding professionalism and may be referred for disciplinary action (which may include exclusion from assessments and unit failure).

Similarly, as part of developing professionalism, students are expected to submit all work by the due date. Applications for assessment task extensions must be supported by appropriate evidence and submitted via [ask.mq.edu.au](https://ask.mq.edu.au). For further details please refer to the Special Consideration Policy available at <https://students.mq.edu.au/study/my-study-program/special-consideration>

## Late Submission

All assignments which are officially received after the due date, and where no extension has been granted, will incur a deduction of 10% for the first day, and 10% for each subsequent day including the actual day on which the work is received. Weekends and public holidays are included. For example:

Due date	Received	Days late	Deduction	Raw mark	Final mark
Fri 14th	Mon 17th	3	30%	75%	45%

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#"><u>Timeline</u></a>	10%	No	Week 3
<a href="#"><u>Debate/Role Play</u></a>	20%	No	Week 4
<a href="#"><u>Journal Article Review</u></a>	30%	No	Week 8
<a href="#"><u>Poster Presentation</u></a>	40%	No	Week 13

### Timeline

Due: **Week 3**

Weighting: **10%**

Referenced table & reflection outlining history of human ethics framework.

On successful completion you will be able to:

- Demonstrate a clear understanding of good practice in Medical Research, including ethics, integrity, and leadership.

### Debate/Role Play

Due: **Week 4**

Weighting: **20%**

Debate/Role Play presentation.

On successful completion you will be able to:

- Demonstrate a clear understanding of good practice in Medical Research, including ethics, integrity, and leadership.

## Journal Article Review

Due: **Week 8**

Weighting: **30%**

1500 words journal article review.

On successful completion you will be able to:

- Demonstrate a clear understanding of good practice in Medical Research, including ethics, integrity, and leadership.
- Explain the fundamentals of different research types and approaches.
- Capacity to pose effective research questions, and describe key components in research design.
- Critique different methodologies that might be applied to address research questions.

## Poster Presentation

Due: **Week 13**

Weighting: **40%**

Poster presentation to address key research questions.

On successful completion you will be able to:

- Demonstrate a clear understanding of good practice in Medical Research, including ethics, integrity, and leadership.
- Explain the fundamentals of different research types and approaches.
- Capacity to pose effective research questions, and describe key components in research design.
- Critique different methodologies that might be applied to address research questions.

## Delivery and Resources

### Unit Organisation

This is a four credit point unit run over a 13 week session. Each week there is a two hour lecture and a two hour tutorial. Further information is available via the MEDI705 iLearn site <http://ilearn.n.mq.edu.au>

### Teaching and Learning Strategy

This unit will have a 2 hour lecture and 2 hour tutorial every week. Lectures & tutorials will provide foundation knowledge and also facilitate group discussion. The teaching approach will

be based on students developing a deep understanding of principles and the ability to independently solve problems, with the expectation that students can then translate this knowledge to different scenarios.

## **Textbooks & Readings**

### Essential

This unit does not have any textbooks that are essential for you to purchase.

## **Attendance**

In the Faculty of Medicine and Health Sciences professionalism is a key capability embedded in all our programs. As part of developing professionalism, Faculty of Medicine and Health Sciences students are expected to attend all small group interactive sessions including tutorials, clinical and laboratory practical sessions. In most cases lectures are recorded; however, lecture recordings cannot be guaranteed and some discussion or content may not be available for viewing via the recording system.

All lectures and tutorials are scheduled in your individual timetable. The timetable for classes can be found on the University web site at: <http://www.timetables.mq.edu.au/>.

Failure to attend any learning and teaching activities, including lectures and tutorials, may impact your final results. It is the responsibility of the student to contact their unit convenor by email to inform them if they are going to be absent.

## **Technology and equipment**

Macquarie University is a BYOD (Bring Your Own Device) environment where students are encouraged to bring their personally owned devices (laptops, tablets, etc.) to class and to use these devices to access information and study.

### On-campus

Teaching rooms are equipped with state of art audio-visual and ICT equipment including, internet connection, high quality video cameras and multiple LCD screens.

### Off-campus

Should you choose to work off campus you will need to have access to a reliable internet connection in order to retrieve unit information & at times to submit assessment tasks via iLearn.

**Consultation with staff:** Staff may be available for individual consultations, please see iLearn site for information on staff availability for consultation.

## **Policies and Procedures**

Macquarie University policies and procedures are accessible from [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). 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](#)
- [Grade Appeal Policy](#)
- [Complaint Management Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#) (**Note:** *The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.*)

Undergraduate students seeking more policy resources can visit the [Student Policy Gateway](https://students.mq.edu.au/support/study/student-policy-gateway) (<https://students.mq.edu.au/support/study/student-policy-gateway>). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit [Policy Central](http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central) (<http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central>).

## Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/study/getting-started/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)

## Student Support

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

## Learning Skills

Learning Skills ([mq.edu.au/learningskills](http://mq.edu.au/learningskills)) provides academic writing resources and study strategies to improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

## Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide

appropriate help with any issues that arise during their studies.

## Student Enquiries

For all student enquiries, visit Student Connect at [ask.mq.edu.au](https://ask.mq.edu.au)

If you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## 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.

## Graduate Capabilities

### PG - Capable of Professional and Personal Judgment and Initiative

Our postgraduates will demonstrate a high standard of discernment and common sense in their professional and personal judgment. They will have the ability to make informed choices and decisions that reflect both the nature of their professional work and their personal perspectives.

This graduate capability is supported by:

#### Learning outcomes

- Demonstrate a clear understanding of good practice in Medical Research, including ethics, integrity, and leadership.
- Critique different methodologies that might be applied to address research questions.

#### Assessment tasks

- Debate/Role Play
- Poster Presentation

### PG - Discipline Knowledge and Skills

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

#### Learning outcomes

- Demonstrate a clear understanding of good practice in Medical Research, including ethics, integrity, and leadership.
- Explain the fundamentals of different research types and approaches.



- Capacity to pose effective research questions, and describe key components in research design.
- Critique different methodologies that might be applied to address research questions.

## **Assessment tasks**

- Timeline
- Debate/Role Play
- Journal Article Review
- Poster Presentation

## **PG - Critical, Analytical and Integrative Thinking**

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience, of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

## **Learning outcomes**

- Demonstrate a clear understanding of good practice in Medical Research, including ethics, integrity, and leadership.
- Explain the fundamentals of different research types and approaches.
- Capacity to pose effective research questions, and describe key components in research design.
- Critique different methodologies that might be applied to address research questions.

## **Assessment tasks**

- Timeline
- Debate/Role Play
- Journal Article Review
- Poster Presentation

## **PG - Research and Problem Solving Capability**

Our postgraduates will be capable of systematic enquiry; able to use research skills to create new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

## Learning outcomes

- Explain the fundamentals of different research types and approaches.
- Capacity to pose effective research questions, and describe key components in research design.

## Assessment tasks

- Debate/Role Play
- Journal Article Review
- Poster Presentation

## PG - Effective Communication

Our postgraduates will be able to communicate effectively and convey their views to different social, cultural, and professional audiences. They will be able to use a variety of technologically supported media to communicate with empathy using a range of written, spoken or visual formats.

This graduate capability is supported by:

## Learning outcomes

- Demonstrate a clear understanding of good practice in Medical Research, including ethics, integrity, and leadership.
- Explain the fundamentals of different research types and approaches.
- Capacity to pose effective research questions, and describe key components in research design.
- Critique different methodologies that might be applied to address research questions.

## Assessment tasks

- Timeline
- Debate/Role Play
- Journal Article Review
- Poster Presentation

## PG - Engaged and Responsible, Active and Ethical Citizens

Our postgraduates will be ethically aware and capable of confident transformative action in relation to their professional responsibilities and the wider community. They will have a sense of connectedness with others and country and have a sense of mutual obligation. They will be able to appreciate the impact of their professional roles for social justice and inclusion related to national and global issues

This graduate capability is supported by:

## Learning outcomes

- Demonstrate a clear understanding of good practice in Medical Research, including ethics, integrity, and leadership.
- Capacity to pose effective research questions, and describe key components in research design.

## Assessment task

- Debate/Role Play

## Changes since First Published

Date	Description
11/02/2019	The general assessment information was updated.