MEDI7001

Medical Research Foundations - Ethics, Integrity and Practice

Session 1, Weekday attendance, North Ryde 2021

Medicine, Health and Human Sciences Faculty level units

Contents

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Notice

As part of Phase 3 of our return to campus plan, most units will now run tutorials, seminars and other small group activities on campus, and most will keep an online version available to those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face activities for your unit, please go to timetable viewer. To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.

General Information

Unit convenor and teaching staff
Jennifer Rowland
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Credit points
10

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. 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 assessments must be attempted to complete the course. Details of submission dates and times will be posted in iLearn. A penalty of 10% of your mark for every day the submission is late will be applied. Submissions will submitted to a dedicated Dropbox.

Assessment Tasks

Name	Weighting	Hurdle	Due
Debate/Role Play	20%	No	Week 4
Timeline	10%	No	Week 5
Journal Article Review	30%	No	Week 8
Poster and talk	40%	No	Week 13

Debate/Role Play

Assessment Type [1]: Debate
Indicative Time on Task [2]: 16 hours
Due: **Week 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 [1]: Report
Indicative Time on Task [2]: 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 [1]: Report
Indicative Time on Task [2]: 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 [1]: Poster
Indicative Time on Task [2]: 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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[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
- Assessment Policy
- Fitness to Practice Procedure
- Grade Appeal Policy
- Complaint Management 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

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) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- Getting help with your assignment
- Workshops

- StudyWise
- 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

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

If you are a Global MBA student contact 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/.

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.