



# MEDI207

## Professional Development 1

S3 Day 2019

*Medicine and Health Sciences Faculty level units*

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#### **Disclaimer**

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## General Information

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Course Co-Director (BClinSci)

Cara Hildreth

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Credit points

3

Prerequisites

Admission to BClinSc and (12cp at 100 level) and (6cp at 200 level)

Corequisites

Co-badged status

Unit description

This unit aims to prepare students for medical school admission processes. It addresses key concepts covered within graduate medical schools admission test: social sciences (humanities), written communication (essay writing) and sciences (biology, chemistry, and physics). This unit aims to further develop your critical thinking, judgement and reasoning skills that are assessed as part of graduate medical school admission processes.

## 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:

1. Use critical thinking skills to evaluate a range of academic and public issues including; socio-cultural, personal and interpersonal concepts.
2. Organise and express ideas in a logical and effective way under examination conditions.
3. Interpret and analyse a variety of scientific stimuli including; text, graphs, tables and diagrams.
4. Interpret and analyse a variety of media from social and political contexts and

synthesise persuasive and reflective commentary.

5. Apply knowledge in basic sciences to demonstrate understanding of key concepts in the areas of biology, chemistry and physics.

6. Apply problem solving and critical thinking skills in the basic sciences.

## General Assessment Information

Grade descriptors and other information concerning grading are contained in the Macquarie University Grading Policy, which is available at: <http://www.mq.edu.au/policy/docs/grading/policy.html>

To pass this unit, students must demonstrate sufficient evidence of achievement of the learning outcomes.

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

All final grades in the Bachelor of Clinical Sciences are determined by a grading committee and are not the sole responsibility of the Unit Convenor.

Students will be awarded one of these grades 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.

### Extensions for Assessment tasks

Applications for assessment task extensions must be submitted via [www.ask.mq.edu.au](http://www.ask.mq.edu.au). For further details please refer to the Disruption to Studies Policy available at [http://mq.edu.au/policy/docs/disruption\\_studies/policy.html](http://mq.edu.au/policy/docs/disruption_studies/policy.html)

### Late Submission of Work

All assignments which are officially received after the due date, and where no extension has been granted by the course convenor or tutor, will incur a deduction of 5% for the first day, and 5% 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
Friday 14th	Monday 17th	3	15%	75%	60%

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#">Medical Schools Admission Test</a>	30%	No	Week 3
<a href="#">Final Exam</a>	40%	No	Week 6
<a href="#">Medical School Interviews</a>	30%	No	Week 6

## Medical Schools Admission Test

Due: **Week 3**

Weighting: **30%**

A full-length Mock Medical Schools Admission Test aimed at helping students identify areas that require improvement and enabling students to reflect on their approach to studying for future medical school admissions tests.

The Mock Medical Schools Admission Test consists of 3 sections:

Section I will assess Reasoning in the Humanities and Social Sciences and will involve students responding to 75 multiple-choice style questions in 100 minutes under examination conditions.

Section II consists of two separate pieces of writing (Task A and Task B) to be completed in one hour under examination conditions. Each task provides a theme and a number of topics related to that theme. Students must write on one of the provided topics, but these are phrased generally and students may respond to the topic in a variety of ways. Performance will be assessed taking into account both the quality of the what is said, as well as the structure developed and language used in the writing tasks.

Section III will assess Reasoning in the Biological and Physical Sciences and will involve students responding to 110 multiple-choice style questions in 170 minutes under examination conditions.

Students will complete the Section I booklet first, followed by Section II writing tasks. A one hour break will then be allowed before completing the Section III booklet.

On successful completion you will be able to:

- 1. Use critical thinking skills to evaluate a range of academic and public issues including; socio-cultural, personal and interpersonal concepts.
- 2. Organise and express ideas in a logical and effective way under examination conditions.
- 3. Interpret and analyse a variety of scientific stimuli including; text, graphs, tables and diagrams.
- 4. Interpret and analyse a variety of media from social and political contexts and synthesise persuasive and reflective commentary.
- 5. Apply knowledge in basic sciences to demonstrate understanding of key concepts in the areas of biology, chemistry and physics.
- 6. Apply problem solving and critical thinking skills in the basic sciences.

## Final Exam

Due: **Week 6**

Weighting: **40%**

A condensed, half-length, Mock Medical Schools Admission Test as described above but with following changes:

Section I, Reasoning in the Humanities and Social Sciences, will involve students responding to 37 multiple-choice style questions in 50 minutes under examination conditions.

Section II will consist of one writing task to be completed in 30 minutes under examination conditions.

Section III, Reasoning in the Biological and Physical Sciences will involve students responding to 55 multiple-choice style questions in 85 minutes under examination conditions.

Students will complete the Section I booklet first, followed by Section II writing tasks. A 30 minutes break will then be allowed before completing the Section III booklet.

On successful completion you will be able to:

- 1. Use critical thinking skills to evaluate a range of academic and public issues including; socio-cultural, personal and interpersonal concepts.
- 2. Organise and express ideas in a logical and effective way under examination conditions.
- 3. Interpret and analyse a variety of scientific stimuli including; text, graphs, tables and diagrams.
- 4. Interpret and analyse a variety of media from social and political contexts and synthesise persuasive and reflective commentary.
- 5. Apply knowledge in basic sciences to demonstrate understanding of key concepts in the areas of biology, chemistry and physics.
- 6. Apply problem solving and critical thinking skills in the basic sciences.

## Medical School Interviews

Due: **Week 6**

Weighting: **30%**

Students will complete an interview task similar to that commonly used by Medical Schools. Students will perform 3 Multiple Mini Interviews (MMIs), each 8 minutes long, by rotating through 3 interview stations where students will respond to typical medical-scenario style questions used by Medical Schools to assess candidates. Students will be assessed on the appropriateness of their responses, ability to develop a structured and well-reasoned response and their overall verbal communication skills.

On successful completion you will be able to:

- 1. Use critical thinking skills to evaluate a range of academic and public issues including; socio-cultural, personal and interpersonal concepts.
- 2. Organise and express ideas in a logical and effective way under examination

conditions.

## Delivery and Resources

### Technology Used

Active participation in the learning activities throughout the unit will generally require students to have access to a tablet, laptop or similar device. Students who do not own their own laptop computer may borrow one from the university library.

### Self-Directed Learning

Students will be expected to undertake significant self-directed learning throughout the course of this unit, reflecting on one's own strengths and weaknesses and bridging knowledge and skill gaps where identified. The examination processes used by Medical Schools covers a broad range of topic areas, and this unit cannot provide students with all the foundational knowledge that is required for these examinations. That knowledge has been (or should have been) acquired in high school and in other units previously undertaken at university. The focus of this unit is *fine-tuning* student's prior learning and knowledge, and, more importantly, developing and honing the skills and strategies required to improve performance in medical school admission tests.

## 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](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>).

## 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> 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>

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

### Creative and Innovative

Our graduates will also be capable of creative thinking and of creating knowledge. They will be

imaginative and open to experience and capable of innovation at work and in the community. We want them to be engaged in applying their critical, creative thinking.

This graduate capability is supported by:

## **Learning outcomes**

- 1. Use critical thinking skills to evaluate a range of academic and public issues including; socio-cultural, personal and interpersonal concepts.
- 2. Organise and express ideas in a logical and effective way under examination conditions.
- 4. Interpret and analyse a variety of media from social and political contexts and synthesise persuasive and reflective commentary.

## **Assessment tasks**

- Medical Schools Admission Test
- Final Exam
- Medical School Interviews

## **Capable of Professional and Personal Judgement and Initiative**

We want our graduates to have emotional intelligence and sound interpersonal skills and to demonstrate discernment and common sense in their professional and personal judgement. They will exercise initiative as needed. They will be capable of risk assessment, and be able to handle ambiguity and complexity, enabling them to be adaptable in diverse and changing environments.

This graduate capability is supported by:

## **Learning outcomes**

- 1. Use critical thinking skills to evaluate a range of academic and public issues including; socio-cultural, personal and interpersonal concepts.
- 2. Organise and express ideas in a logical and effective way under examination conditions.
- 3. Interpret and analyse a variety of scientific stimuli including; text, graphs, tables and diagrams.
- 4. Interpret and analyse a variety of media from social and political contexts and synthesise persuasive and reflective commentary.
- 6. Apply problem solving and critical thinking skills in the basic sciences.

## **Assessment tasks**

- Medical Schools Admission Test
- Final Exam



- Medical School Interviews

## Commitment to Continuous Learning

Our graduates will have enquiring minds and a literate curiosity which will lead them to pursue knowledge for its own sake. They will continue to pursue learning in their careers and as they participate in the world. They will be capable of reflecting on their experiences and relationships with others and the environment, learning from them, and growing - personally, professionally and socially.

This graduate capability is supported by:

### Learning outcomes

- 1. Use critical thinking skills to evaluate a range of academic and public issues including; socio-cultural, personal and interpersonal concepts.
- 2. Organise and express ideas in a logical and effective way under examination conditions.
- 3. Interpret and analyse a variety of scientific stimuli including; text, graphs, tables and diagrams.
- 4. Interpret and analyse a variety of media from social and political contexts and synthesise persuasive and reflective commentary.
- 5. Apply knowledge in basic sciences to demonstrate understanding of key concepts in the areas of biology, chemistry and physics.
- 6. Apply problem solving and critical thinking skills in the basic sciences.

### Assessment tasks

- Medical Schools Admission Test
- Final Exam
- Medical School Interviews

## Discipline Specific Knowledge and Skills

Our graduates will take with them the intellectual development, depth and breadth of knowledge, scholarly understanding, and specific subject content in their chosen fields to make them competent and confident in their subject or profession. They will be able to demonstrate, where relevant, professional technical competence and meet professional standards. They will be able to articulate the structure of knowledge of their discipline, be able to adapt discipline-specific knowledge to novel situations, and be able to contribute from their discipline to inter-disciplinary solutions to problems.

This graduate capability is supported by:

### Learning outcomes

- 1. Use critical thinking skills to evaluate a range of academic and public issues including;

socio-cultural, personal and interpersonal concepts.

- 3. Interpret and analyse a variety of scientific stimuli including; text, graphs, tables and diagrams.
- 5. Apply knowledge in basic sciences to demonstrate understanding of key concepts in the areas of biology, chemistry and physics.
- 6. Apply problem solving and critical thinking skills in the basic sciences.

## **Assessment tasks**

- Medical Schools Admission Test
- Final Exam

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

We want our graduates to be capable of reasoning, questioning and analysing, and to integrate and synthesise learning and knowledge from a range of sources and environments; to be able to critique constraints, assumptions and limitations; to be able to think independently and systemically in relation to scholarly activity, in the workplace, and in the world. We want them to have a level of scientific and information technology literacy.

This graduate capability is supported by:

## **Learning outcomes**

- 1. Use critical thinking skills to evaluate a range of academic and public issues including; socio-cultural, personal and interpersonal concepts.
- 2. Organise and express ideas in a logical and effective way under examination conditions.
- 3. Interpret and analyse a variety of scientific stimuli including; text, graphs, tables and diagrams.
- 4. Interpret and analyse a variety of media from social and political contexts and synthesise persuasive and reflective commentary.
- 5. Apply knowledge in basic sciences to demonstrate understanding of key concepts in the areas of biology, chemistry and physics.
- 6. Apply problem solving and critical thinking skills in the basic sciences.

## **Assessment tasks**

- Medical Schools Admission Test
- Final Exam
- Medical School Interviews

## Problem Solving and Research Capability

Our graduates should be capable of researching; of analysing, and interpreting and assessing data and information in various forms; of drawing connections across fields of knowledge; and they should be able to relate their knowledge to complex situations at work or in the world, in order to diagnose and solve problems. We want them to have the confidence to take the initiative in doing so, within an awareness of their own limitations.

This graduate capability is supported by:

### Learning outcomes

- 1. Use critical thinking skills to evaluate a range of academic and public issues including; socio-cultural, personal and interpersonal concepts.
- 2. Organise and express ideas in a logical and effective way under examination conditions.
- 3. Interpret and analyse a variety of scientific stimuli including; text, graphs, tables and diagrams.
- 4. Interpret and analyse a variety of media from social and political contexts and synthesise persuasive and reflective commentary.
- 5. Apply knowledge in basic sciences to demonstrate understanding of key concepts in the areas of biology, chemistry and physics.
- 6. Apply problem solving and critical thinking skills in the basic sciences.

### Assessment tasks

- Medical Schools Admission Test
- Final Exam
- Medical School Interviews

## Effective Communication

We want to develop in our students the ability to communicate and convey their views in forms effective with different audiences. We want our graduates to take with them the capability to read, listen, question, gather and evaluate information resources in a variety of formats, assess, write clearly, speak effectively, and to use visual communication and communication technologies as appropriate.

This graduate capability is supported by:

### Learning outcomes

- 1. Use critical thinking skills to evaluate a range of academic and public issues including; socio-cultural, personal and interpersonal concepts.
- 2. Organise and express ideas in a logical and effective way under examination

conditions.

- 4. Interpret and analyse a variety of media from social and political contexts and synthesise persuasive and reflective commentary.

## Assessment tasks

- Medical Schools Admission Test
- Final Exam
- Medical School Interviews

## Engaged and Ethical Local and Global citizens

As local citizens our graduates will be aware of indigenous perspectives and of the nation's historical context. They will be engaged with the challenges of contemporary society and with knowledge and ideas. We want our graduates to have respect for diversity, to be open-minded, sensitive to others and inclusive, and to be open to other cultures and perspectives: they should have a level of cultural literacy. Our graduates should be aware of disadvantage and social justice, and be willing to participate to help create a wiser and better society.

This graduate capability is supported by:

## Learning outcomes

- 1. Use critical thinking skills to evaluate a range of academic and public issues including; socio-cultural, personal and interpersonal concepts.
- 2. Organise and express ideas in a logical and effective way under examination conditions.
- 4. Interpret and analyse a variety of media from social and political contexts and synthesise persuasive and reflective commentary.

## Assessment tasks

- Medical Schools Admission Test
- Final Exam
- Medical School Interviews

## Socially and Environmentally Active and Responsible

We want our graduates to be aware of and have respect for self and others; to be able to work with others as a leader and a team player; to have a sense of connectedness with others and country; and to have a sense of mutual obligation. Our graduates should be informed and active participants in moving society towards sustainability.

This graduate capability is supported by:

## Learning outcomes

- 1. Use critical thinking skills to evaluate a range of academic and public issues including;

socio-cultural, personal and interpersonal concepts.

- 2. Organise and express ideas in a logical and effective way under examination conditions.
- 4. Interpret and analyse a variety of media from social and political contexts and synthesise persuasive and reflective commentary.

## **Assessment tasks**

- Medical Schools Admission Test
- Final Exam
- Medical School Interviews

## **Changes from Previous Offering**

Since 2017, this unit has adopted a Team-Based Learning (TBL) approach to tutorial sessions.

A previous Reflective Journal assessment task has been replaced with Mock Medical School Interview.

The length and weighting of the Final Exam has been reduced. It is now half-length and the weighting is 40% of unit marks (previously 80%).