MEDI8402
Advanced Clinical Placements B
Medicine and Health Sciences MDF, In person-placement, On location 2022
Macquarie Medical School

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General Information

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Macquarie Medical School

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Credit points
30

Prerequisites
MEDI8401

Corequisites
MEDI8403

Co-badged status

Unit description
This unit is the second of two units which comprise a total of 32 weeks of clinical placements where you will be embedded in healthcare teams in Stage 2 of the Macquarie MD working with individuals with a variety of health conditions. In both MEDI8401: Advanced Clinical Placements A and MEDI8402: Advanced Clinical Placements B, you will complete a series of 4- or 8-week clinical placements. You will participate in core clinical placements in Critical and Acute Care and Mental Health, as well as Selective and Elective placements. You will submit preferences for Selective and Elective placements which match your emerging interests and learning needs. This unit will provide you with the opportunity to participate in delivery of patient-centred healthcare and to consolidate and apply your medical science knowledge and skills already acquired across the Macquarie MD. You will be required to participate in healthcare delivery and demonstrate significant progress toward the development of the 4 Macquarie MD Graduate Capabilities: Scientist and Scholar, Clinical Practitioner, Engaged Global Citizen and Professional, and the Entrustable Professional Activities, at a standard appropriate to Stage 2 of the Macquarie MD.
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: Apply knowledge of relevant medical sciences, health conditions, scientific principles and mechanisms of disease to explain clinical presentations, as well as how drugs and other treatments are used to manage or prevent disease in individuals seeking healthcare (Capability 1 Scientist and Scholar).

ULO2: Formulate focused clinical questions, use effective information search strategies, critically evaluate the quality of the evidence and develop evidence-based and/or research-informed judgements on clinical presentations and medical-issues relevant to healthcare (Capability 1 Scientist and Scholar).

ULO3: Elicit a concise and accurate medical history and conduct a physical and/or mental examination with patients seeking healthcare (Capability 2 Clinical Practitioner).

ULO4: Build rapport and communicate sensitively in clinical settings with patients, their families and/or carers, and actively encourages patients to contribute to the discussion and choice of diagnostic, therapeutic and management approaches including health promotion strategies (Capability 2 Clinical Practitioner).

ULO5: Use research-informed clinical reasoning to derive differential diagnoses, investigations and basic management plans for people seeking health care (Capability 2 Clinical Practitioner).

ULO6: Communicate history and physical examination findings, differential diagnoses and management plans concisely and accurately in verbal or written form to interprofessional healthcare teams and/or peers (Capability 2 Clinical Practitioner).

ULO7: Perform procedural skills competently and safely in a clinical environment (Capability 2 Clinical Practitioner).

ULO8: Practice effectively and with cultural responsiveness and sensitivity in Australian and Indian clinical settings, engaging positively and effectively with patients, families and/or carers, medical and healthcare professionals and others from diverse cultural backgrounds (Capability 3 Engaged Global Citizen).

ULO9: Identify and discuss social, cultural and economic factors, as well as healthcare team and health system factors, which may impact on healthcare and population health (Capability 3 Engaged Global Citizen).
ULO10: Demonstrate effective teamwork and professional behaviour in accordance with ethical, legal and professional standards of medical care when interacting with patients and their families and/or carers, the healthcare teams, peers and the host organization (Capability 4 Professional).

ULO11: Use feedback from teachers, clinicians, peers and patients to inform self-evaluation and critical reflection, and generates development plans to address learning needs (Capability 4 Professional).

ULO12: Demonstrate commitment to lifelong learning with the generation of professional development plans for the next phase of your medical career (Capability 4 Professional)

**General Assessment Information**

Find important information on the Doctor of Medicine’s requirements for progression, hurdle assessment tasks and grading approach for Stage 2 in the MD Rules of Assessment and Progression available on the Macquarie Doctor of Medicine Community iLearn Site.

**Assessment Tasks**

<table>
<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Hurdle</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Observation of Procedural Skills (DOPS)</td>
<td>0%</td>
<td>No</td>
<td>21/10/2022</td>
</tr>
<tr>
<td>Selective/Elective Report and ITA</td>
<td>25%</td>
<td>No</td>
<td>21/10/2022</td>
</tr>
<tr>
<td>Team-Clinical Evaluation Exercise (T-MEX)</td>
<td>0%</td>
<td>No</td>
<td>21/10/2022</td>
</tr>
<tr>
<td>Mini-Clinical Evaluation Exercise (Mini-CEX)</td>
<td>0%</td>
<td>No</td>
<td>21/10/2022</td>
</tr>
<tr>
<td>Capability or Entrustable Professional Activity (EPA) Task</td>
<td>25%</td>
<td>No</td>
<td>24/10/2022</td>
</tr>
<tr>
<td>Rotation-Specific Assessment</td>
<td>50%</td>
<td>Yes</td>
<td>21/10/2022</td>
</tr>
</tbody>
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**Direct Observation of Procedural Skills (DOPS)**

Assessment Type 1: Clinical performance evaluation

Indicative Time on Task 2: 4 hours

Due: **21/10/2022**

Weighting: 0%

Ongoing formative assessments directed by the student to enhance evidence for portfolio. Assessment criteria will be mapped to relevant capability aspects and graduate Entrustable Professional Activities (EPAs). Overall, capability aspects performance and EPAs will be recorded in your Macquarie Assessment Portfolio.
On successful completion you will be able to:

- Formulate focused clinical questions, use effective information search strategies, critically evaluate the quality of the evidence and develop evidence-based and/or research-informed judgements on clinical presentations and medical-issues relevant to healthcare (Capability 1 Scientist and Scholar).
- Elicit a concise and accurate medical history and conduct a physical and/or mental examination with patients seeking healthcare (Capability 2 Clinical Practitioner).
- Build rapport and communicate sensitively in clinical settings with patients, their families and/or carers, and actively encourages patients to contribute to the discussion and choice of diagnostic, therapeutic and management approaches including health promotion strategies (Capability 2 Clinical Practitioner).
- Use research-informed clinical reasoning to derive differential diagnoses, investigations and basic management plans for people seeking health care (Capability 2 Clinical Practitioner).
- Communicate history and physical examination findings, differential diagnoses and management plans concisely and accurately in verbal or written form to interprofessional healthcare teams and/or peers (Capability 2 Clinical Practitioner).
- Perform procedural skills competently and safely in a clinical environment (Capability 2 Clinical Practitioner).
- Practice effectively and with cultural responsiveness and sensitivity in Australian and Indian clinical settings, engaging positively and effectively with patients, families and/or carers, medical and healthcare professionals and others from diverse cultural backgrounds (Capability 3 Engaged Global Citizen).
- Identify and discuss social, cultural and economic factors, as well as healthcare team and health system factors, which may impact on healthcare and population health (Capability 3 Engaged Global Citizen).
- Demonstrate effective teamwork and professional behaviour in accordance with ethical, legal and professional standards of medical care when interacting with patients and their families and/or carers, the healthcare teams, peers and the host organization (Capability 4 Professional).
- Use feedback from teachers, clinicians, peers and patients to inform self-evaluation and critical reflection, and generates development plans to address learning needs (Capability 4 Professional).
- Demonstrate commitment to lifelong learning with the generation of professional
Selective/ Elective Report and ITA

Assessment Type 1: Report
Indicative Time on Task 2: 8 hours
Due: 21/10/2022
Weighting: 25%

Submission of a report which includes student reflection of placement (500 words) and supervisor In-Training Assessment (ITA). Please see iLearn for detailed information for specific requirements for Elective and Selective rotations. Assessment criteria will be mapped to relevant capability aspects and graduate Entrustable Professional Activities (EPAs). Overall, capability aspects performance and EPAs will be recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:

- Apply knowledge of relevant medical sciences, health conditions, scientific principles and mechanisms of disease to explain clinical presentations, as well as how drugs and other treatments are used to manage or prevent disease in individuals seeking healthcare (Capability 1 Scientist and Scholar).
- Formulate focused clinical questions, use effective information search strategies, critically evaluate the quality of the evidence and develop evidence-based and/or research-informed judgements on clinical presentations and medical-issues relevant to healthcare (Capability 1 Scientist and Scholar).
- Practice effectively and with cultural responsiveness and sensitivity in Australian and Indian clinical settings, engaging positively and effectively with patients, families and/or carers, medical and healthcare professionals and others from diverse cultural backgrounds (Capability 3 Engaged Global Citizen).
- Identify and discuss social, cultural and economic factors, as well as healthcare team and health system factors, which may impact on healthcare and population health (Capability 3 Engaged Global Citizen).
- Demonstrate effective teamwork and professional behaviour in accordance with ethical, legal and professional standards of medical care when interacting with patients and their families and/or carers, the healthcare teams, peers and the host organization (Capability 4 Professional).
- Use feedback from teachers, clinicians, peers and patients to inform self-evaluation and critical reflection, and generates development plans to address learning needs.
Demonstrate commitment to lifelong learning with the generation of professional development plans for the next phase of your medical career (Capability 4 Professional).

### Team-Clinical Evaluation Exercise (T-MEX)

**Assessment Type:** Clinical performance evaluation  
**Indicative Time on Task:** 4 hours  
**Due:** 21/10/2022  
**Weighting:** 0%

Ongoing formative assessments directed by the student to enhance evidence for portfolio. Assessment criteria will be mapped to relevant capability aspects and graduate Entrustable Professional Activities (EPAs). Overall, capability aspects performance and EPAs will be recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:

- Apply knowledge of relevant medical sciences, health conditions, scientific principles and mechanisms of disease to explain clinical presentations, as well as how drugs and other treatments are used to manage or prevent disease in individuals seeking healthcare (Capability 1 Scientist and Scholar).
- Formulate focused clinical questions, use effective information search strategies, critically evaluate the quality of the evidence and develop evidence-based and/or research-informed judgements on clinical presentations and medical-issues relevant to healthcare (Capability 1 Scientist and Scholar).
- Elicit a concise and accurate medical history and conduct a physical and/or mental examination with patients seeking healthcare (Capability 2 Clinical Practitioner).
- Build rapport and communicate sensitively in clinical settings with patients, their families and/or carers, and actively encourages patients to contribute to the discussion and choice of diagnostic, therapeutic and management approaches including health promotion strategies (Capability 2 Clinical Practitioner).
- Use research-informed clinical reasoning to derive differential diagnoses, investigations and basic management plans for people seeking health care (Capability 2 Clinical Practitioner).
- Communicate history and physical examination findings, differential diagnoses and management plans concisely and accurately in verbal or written form to interprofessional healthcare teams and/or peers (Capability 2 Clinical Practitioner).
• Perform procedural skills competently and safely in a clinical environment (Capability 2 Clinical Practitioner).

• Practice effectively and with cultural responsiveness and sensitivity in Australian and Indian clinical settings, engaging positively and effectively with patients, families and/or carers, medical and healthcare professionals and others from diverse cultural backgrounds (Capability 3 Engaged Global Citizen).

• Identify and discuss social, cultural and economic factors, as well as healthcare team and health system factors, which may impact on healthcare and population health (Capability 3 Engaged Global Citizen).

• Demonstrate effective teamwork and professional behaviour in accordance with ethical, legal and professional standards of medical care when interacting with patients and their families and/or carers, the healthcare teams, peers and the host organization (Capability 4 Professional).

• Use feedback from teachers, clinicians, peers and patients to inform self-evaluation and critical reflection, and generates development plans to address learning needs (Capability 4 Professional).

Mini-Clinical Evaluation Exercise (Mini-CEX)

Assessment Type 1: Clinical performance evaluation

Indicative Time on Task 2: 4 hours

Due: 21/10/2022

Weighting: 0%

Ongoing formative assessments directed by the student to enhance evidence for portfolio. Assessment criteria will be mapped to relevant capability aspects and graduate Entrustable Professional Activities (EPAs). Overall, capability aspects performance and EPAs will be recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:

• Apply knowledge of relevant medical sciences, health conditions, scientific principles and mechanisms of disease to explain clinical presentations, as well as how drugs and other treatments are used to manage or prevent disease in individuals seeking healthcare (Capability 1 Scientist and Scholar).

• Formulate focused clinical questions, use effective information search strategies, critically evaluate the quality of the evidence and develop evidence-based and/or research-informed judgements on clinical presentations and medical-issues relevant to
healthcare (Capability 1 Scientist and Scholar).

• Elicit a concise and accurate medical history and conduct a physical and/or mental examination with patients seeking healthcare (Capability 2 Clinical Practitioner).

• Build rapport and communicate sensitively in clinical settings with patients, their families and/or carers, and actively encourages patients to contribute to the discussion and choice of diagnostic, therapeutic and management approaches including health promotion strategies (Capability 2 Clinical Practitioner).

• Use research-informed clinical reasoning to derive differential diagnoses, investigations and basic management plans for people seeking health care (Capability 2 Clinical Practitioner).

• Communicate history and physical examination findings, differential diagnoses and management plans concisely and accurately in verbal or written form to interprofessional healthcare teams and/or peers (Capability 2 Clinical Practitioner).

• Perform procedural skills competently and safely in a clinical environment (Capability 2 Clinical Practitioner).

• Practice effectively and with cultural responsiveness and sensitivity in Australian and Indian clinical settings, engaging positively and effectively with patients, families and/or carers, medical and healthcare professionals and others from diverse cultural backgrounds (Capability 3 Engaged Global Citizen).

• Identify and discuss social, cultural and economic factors, as well as healthcare team and health system factors, which may impact on healthcare and population health (Capability 3 Engaged Global Citizen).

• Demonstrate effective teamwork and professional behaviour in accordance with ethical, legal and professional standards of medical care when interacting with patients and their families and/or carers, the healthcare teams, peers and the host organization (Capability 4 Professional).

• Use feedback from teachers, clinicians, peers and patients to inform self-evaluation and critical reflection, and generates development plans to address learning needs (Capability 4 Professional).

• Demonstrate commitment to lifelong learning with the generation of professional development plans for the next phase of your medical career (Capability 4 Professional).

Capability or Entrustable Professional Activity (EPA) Task

Assessment Type 1: Clinical performance evaluation
Indicative Time on Task 2: 16 hours
Due: 24/10/2022
Assessing capability or EPAs yet to be evaluated across the portfolio such as a prescribing assessment, and a management-oriented viva. Assessment criteria will be mapped to relevant capability aspects and graduate Entrustable Professional Activities (EPAs). Overall, capability aspects performance and EPAs will be recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:

- Apply knowledge of relevant medical sciences, health conditions, scientific principles and mechanisms of disease to explain clinical presentations, as well as how drugs and other treatments are used to manage or prevent disease in individuals seeking healthcare (Capability 1 Scientist and Scholar).
- Formulate focused clinical questions, use effective information search strategies, critically evaluate the quality of the evidence and develop evidence-based and/or research-informed judgements on clinical presentations and medical-issues relevant to healthcare (Capability 1 Scientist and Scholar).
- Elicit a concise and accurate medical history and conduct a physical and/or mental examination with patients seeking healthcare (Capability 2 Clinical Practitioner).
- Build rapport and communicate sensitively in clinical settings with patients, their families and/or carers, and actively encourages patients to contribute to the discussion and choice of diagnostic, therapeutic and management approaches including health promotion strategies (Capability 2 Clinical Practitioner).
- Use research-informed clinical reasoning to derive differential diagnoses, investigations and basic management plans for people seeking health care (Capability 2 Clinical Practitioner).
- Communicate history and physical examination findings, differential diagnoses and management plans concisely and accurately in verbal or written form to interprofessional healthcare teams and/or peers (Capability 2 Clinical Practitioner).
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- Identify and discuss social, cultural and economic factors, as well as healthcare team
and health system factors, which may impact on healthcare and population health (Capability 3 Engaged Global Citizen).

- Demonstrate effective teamwork and professional behaviour in accordance with ethical, legal and professional standards of medical care when interacting with patients and their families and/or carers, the healthcare teams, peers and the host organization (Capability 4 Professional).
- Use feedback from teachers, clinicians, peers and patients to inform self-evaluation and critical reflection, and generates development plans to address learning needs (Capability 4 Professional).
- Demonstrate commitment to lifelong learning with the generation of professional development plans for the next phase of your medical career (Capability 4 Professional)

Rotation-Specific Assessment

Assessment Type 1: Clinical performance evaluation
Indicative Time on Task 2: 20 hours
Due: 21/10/2022
Weighting: 50%

This is a hurdle assessment task (see assessment policy for more information on hurdle assessment tasks)

Completion of the rotation-specific assessment for either Mental Health or Critical and Acute Care placement, depending on clinical placement allocation. The assessment will have clinical and written components. Assessment criteria will be mapped to relevant capability aspects and graduate Entrustable Professional Activities (EPAs). Overall, capability aspects performance and EPAs will be recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:
  - Apply knowledge of relevant medical sciences, health conditions, scientific principles and mechanisms of disease to explain clinical presentations, as well as how drugs and other treatments are used to manage or prevent disease in individuals seeking healthcare (Capability 1 Scientist and Scholar).
  - Formulate focused clinical questions, use effective information search strategies, critically evaluate the quality of the evidence and develop evidence-based and/or research-informed judgements on clinical presentations and medical-issues relevant to healthcare (Capability 1 Scientist and Scholar).
  - Elicit a concise and accurate medical history and conduct a physical and/or mental
examination with patients seeking healthcare (Capability 2 Clinical Practitioner).

- Build rapport and communicate sensitively in clinical settings with patients, their families and/or carers, and actively encourages patients to contribute to the discussion and choice of diagnostic, therapeutic and management approaches including health promotion strategies (Capability 2 Clinical Practitioner).

- Use research-informed clinical reasoning to derive differential diagnoses, investigations and basic management plans for people seeking health care (Capability 2 Clinical Practitioner).

- Communicate history and physical examination findings, differential diagnoses and management plans concisely and accurately in verbal or written form to interprofessional healthcare teams and/or peers (Capability 2 Clinical Practitioner).

- Perform procedural skills competently and safely in a clinical environment (Capability 2 Clinical Practitioner).

- Practice effectively and with cultural responsiveness and sensitivity in Australian and Indian clinical settings, engaging positively and effectively with patients, families and/or carers, medical and healthcare professionals and others from diverse cultural backgrounds (Capability 3 Engaged Global Citizen).

- Identify and discuss social, cultural and economic factors, as well as healthcare team and health system factors, which may impact on healthcare and population health (Capability 3 Engaged Global Citizen).

- Demonstrate effective teamwork and professional behaviour in accordance with ethical, legal and professional standards of medical care when interacting with patients and their families and/or carers, the healthcare teams, peers and the host organization (Capability 4 Professional).

- Use feedback from teachers, clinicians, peers and patients to inform self-evaluation and critical reflection, and generates development plans to address learning needs (Capability 4 Professional).

- Demonstrate commitment to lifelong learning with the generation of professional development plans for the next phase of your medical career (Capability 4 Professional)

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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.

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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

This is the second of two units which comprise a total of 16 weeks of advanced clinical placements where you will be embedded in healthcare teams working with individuals with a variety of health conditions in Stage 2 of the Macquarie MD. You will complete placements in Mental Health and Critical and Acute Care as well as various Elective and Selective placements. The 16-week teaching period is followed by an assessment week, plus a remediation week to maximise opportunities for on time completion of the Macquarie MD. The 16 week period is organised into 2 x 8 week rotations to cover disciplines of Mental Health, Critical and Acute Care and various Elective and Selective placements.

Each clinical discipline has a series of learning activities scheduled to assist students to develop the Macquarie MD Capabilities and competence in Entrustable Professional activities and clinical procedures. Students are expected to be part of the healthcare team and are required to self-reflect and identify learning needs as well as seek learning opportunities to meet these learning needs.

TECHNOLOGY AND EQUIPMENT

MQ is a BYOD environment where students are encouraged to bring their personally owned devices (laptops, tablets, etc.) to learning activities and to use these devices to access information and study.

On-campus

Teaching rooms are equipped with state of the art audio-visual and ICT equipment including iPads, internet connection and multiple LCD screens. Students will use a range of specific equipment typically used in the assessment and management of people with a range of health conditions.

Off-campus

To study optimally when off campus you will need to have access to a reliable internet connection to retrieve unit information, and at times to submit assessment tasks via iLearn.

CONSULTATION WITH STAFF

Staff will 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://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
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.