# MEDI8202

## Cardiovascular, Respiratory, Gastroenterology, Surgery and Metabolism

Medicine and Health Sciences MDA, In person-scheduled-weekday, North Ryde 2022

*Medicine, Health and Human Sciences Faculty level units*

## Contents


| | |
|---|---|
| General Information | 2 |
| Learning Outcomes | 3 |
| General Assessment Information | 3 |
| Assessment Tasks | 4 |
| Delivery and Resources | 10 |
| Policies and Procedures | 10 |
| Changes since First Published | 12 |



**Disclaimer**

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

# General Information

Unit convenor and teaching staff
Veronica Preda
veronica.preda@mqhealth.org.au

Sherry Boga
sherry.boga@mq.edu.au

Credit points
20

Prerequisites
(MEDI8100 or MEDI910) and (MEDI8101 or MEDI911) and (MEDI8102 or MEDI912) and (MEDI8103 or MEDI913) and (MEDI8104 or MEDI914) and (MEDI8105 or MEDI915)

Corequisites

Co-badged status

Unit description
This unit expands on your clinical knowledge and advances your understanding of the clinical disciplines of cardiovascular, respiratory, gastroenterology, surgery and metabolism. Over a 10-week period, you will build your understanding of a range of clinical disciplines integrated with applied medical sciences and the social sciences relevant to health and disease. The unit uses a weekly thematic structure, common across all units in the session to provide a central focus for your learning. These themes represent conceptual understanding of the complexity of health; major mechanisms of diseases and important challenges of modern health care delivery. The unit incorporates an experiential learning component contextually focused on patient-centred health care delivered in the clinical disciplines of cardiovascular, respiratory, gastroenterology, surgery and metabolism. The unit includes weekly lectures/seminars, case based learning sessions, clinical bedside tutorials, procedural skills sessions, as well as clinical placements. You are expected to use these learning opportunities to demonstrate significant progress toward the development of the 4 Macquarie MD Graduate Capabilities: Scientist and Scholar, Clinical Practitioner, Engaged Global Citizen and Professional, and Entrustable Professional Activities, at a standard appropriate to end of Stage 1 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, clinical presentations, scientific principles and mechanisms of disease to explain a variety of common or clinically-significant disease states, as well as how drugs and other treatments are used to manage or prevent disease in various population sub-groups (Capability 1: Scientist and Scholar).

**ULO2:** Identify questions and learning needs arising from clinical cases, and work individually or as part of a group to create appropriate responses to clinical scenarios relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism by evaluating evidence from a range of sources, including medical scientific literature (Capability 1: Scientist and Scholar).

**ULO3:** Elicit a concise and accurate medical history with real patients with common medical or surgical conditions. Identify relevant symptoms, recent and past medical history, medication, allergies and social history, and accurate physical examination identifying relevant abnormal signs (Capability 2: Clinical Practitioner).

**ULO4:** Summarise history and physical examination findings concisely and accurately in verbal or written form to peers or colleagues (Capability 2: Clinical Practitioner).

**ULO5:** Use sound clinical reasoning skills to derive diagnoses, investigations and basic management plans for common medical and surgical conditions, as relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism.(Capability 2: Clinical Practitioner).

**ULO6:** Demonstrate basic procedural skills in a simulated or clinical environment (Capability 2: Clinical Practitioner).

**ULO7:** Identify and discuss, social, cultural and economic factors as well as the healthcare team and health system factors which may impact on healthcare and population health relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism. ((Capability 3: Engaged Global Citizen)

**ULO8:** Participate as an effective team player in tutorial groups and clinical environment with peers and clinical staff (Capability 4: Professional).

**ULO9:** Use feedback from teachers, clinicians, peers and patients, to inform self-evaluation and critical reflection (Capability 4: Professional).

# General Assessment Information

Detailed information regarding the assessment of the Macquarie MD and unit-specific

assessment is available on the MQMDAssess Macquarie MD Assessment 2022 Intake iLearn site.

**Grading**

All final grades in the Macquarie MD are reviewed by the MD Course Board and Faculty Assessment Committee and ratified by the Faculty of Medicine, Health and Human Sciences Faculty Board. Therefore, they are not the sole responsibility of the Unit Convenor. To pass this unit students must demonstrate sufficient evidence of achievement of the learning outcomes, attempt all assessment tasks, and meet any ungraded requirements which include professionalism.

**Extensions for Assessment tasks**

Applications for assessment task extensions must be submitted via https://ask.mq.edu.au/. For further details please refer to the Special Consideration Policy available at https://students.mq.edu.au/study/assessment-exams/special-consideration

**Professional Expectations**

Professionalism is a key capability embedded in the Macquarie MD. Professional Behaviour Notifications (PBN) which can be a breach (PBNB) or a commendation (PBNC) may be awarded. PBNs will be recorded in the student's portfolio. As part of developing professionalism, Macquarie MD students are expected to attend all small group interactive sessions including clinical, practical, laboratory and team-based learning activities. If attendance is deemed to be of concern, the student will be referred to the Stage 1 Lead for remediation, subsequent monitoring, and recording in the portfolio. Similarly, as part of developing professionalism, Macquarie MD students are expected to submit all work by the due date. Late submission without prior approved extension will result in a professional behaviour notification- breach (PBNB) in the portfolio.

# Assessment Tasks

| Name | Weighting | Hurdle | Due |
|---|---|---|---|
| Mini-CEX | 0% | No | Week 10 |
| Direct Observation of Procedural Skills (DOPS) | 0% | No | Week 10 |
| Case Report | 40% | No | Friday of Week 8 |
| Clinical Viva | 20% | No | Week 10 |
| Reflection and Learning Plan | 0% | No | Week 10 |
| Clinical Quiz | 40% | No | Week 10 |

## Mini-CEX

Assessment Type [1]: Clinical performance evaluation

Indicative Time on Task [2]: 6 hours
Due: **Week 10**
Weighting: **0%**

Mini-CEX assessments are formative and are designed to provide you with personalised feedback to improve your clinical skills. Overall performance, capability aspects and Stage 1 Entrustable Professional Activities will be assessed and recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:

- Apply knowledge of relevant medical sciences, clinical presentations, scientific principles and mechanisms of disease to explain a variety of common or clinically-significant disease states, as well as how drugs and other treatments are used to manage or prevent disease in various population sub-groups (Capability 1: Scientist and Scholar).
- Identify questions and learning needs arising from clinical cases, and work individually or as part of a group to create appropriate responses to clinical scenarios relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism by evaluating evidence from a range of sources, including medical scientific literature (Capability 1: Scientist and Scholar).
- Elicit a concise and accurate medical history with real patients with common medical or surgical conditions. Identify relevant symptoms, recent and past medical history, medication, allergies and social history, and accurate physical examination identifying relevant abnormal signs (Capability 2: Clinical Practitioner).
- Summarise history and physical examination findings concisely and accurately in verbal or written form to peers or colleagues (Capability 2: Clinical Practitioner).
- Use sound clinical reasoning skills to derive diagnoses, investigations and basic management plans for common medical and surgical conditions, as relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism.(Capability 2: Clinical Practitioner).
- Identify and discuss, social, cultural and economic factors as well as the healthcare team and health system factors which may impact on healthcare and population health relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism. ((Capability 3: Engaged Global Citizen)
- Participate as an effective team player in tutorial groups and clinical environment with peers and clinical staff (Capability 4: Professional).

- Use feedback from teachers, clinicians, peers and patients, to inform self-evaluation and critical reflection (Capability 4: Professional).

## Direct Observation of Procedural Skills (DOPS)

Assessment Type [1]: Clinical performance evaluation
Indicative Time on Task [2]: 6 hours
Due: **Week 10**
Weighting: **0%**

DOPS assessments are formative and are designed to provide you with personalised feedback to improve your clinical skills. Overall performance, capability aspects and Stage 1 Entrustable Professional Activities will be assessed and recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:

- Apply knowledge of relevant medical sciences, clinical presentations, scientific principles and mechanisms of disease to explain a variety of common or clinically-significant disease states, as well as how drugs and other treatments are used to manage or prevent disease in various population sub-groups (Capability 1: Scientist and Scholar).
- Elicit a concise and accurate medical history with real patients with common medical or surgical conditions. Identify relevant symptoms, recent and past medical history, medication, allergies and social history, and accurate physical examination identifying relevant abnormal signs (Capability 2: Clinical Practitioner).
- Summarise history and physical examination findings concisely and accurately in verbal or written form to peers or colleagues (Capability 2: Clinical Practitioner).
- Use sound clinical reasoning skills to derive diagnoses, investigations and basic management plans for common medical and surgical conditions, as relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism.(Capability 2: Clinical Practitioner).
- Demonstrate basic procedural skills in a simulated or clinical environment (Capability 2: Clinical Practitioner).
- Participate as an effective team player in tutorial groups and clinical environment with peers and clinical staff (Capability 4: Professional).
- Use feedback from teachers, clinicians, peers and patients, to inform self-evaluation and critical reflection (Capability 4: Professional).

# Case Report

Assessment Type [1]: Report
Indicative Time on Task [2]: 16 hours
Due: **Friday of Week 8**
Weighting: **40%**

The case report is a written assignment about a patient you have taken a comprehensive history and performed a physical examination. Overall performance, capability aspects and Stage 1 Entrustable Professional Activities will be assessed and recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:

- Apply knowledge of relevant medical sciences, clinical presentations, scientific principles and mechanisms of disease to explain a variety of common or clinically-significant disease states, as well as how drugs and other treatments are used to manage or prevent disease in various population sub-groups (Capability 1: Scientist and Scholar).
- Identify questions and learning needs arising from clinical cases, and work individually or as part of a group to create appropriate responses to clinical scenarios relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism by evaluating evidence from a range of sources, including medical scientific literature (Capability 1: Scientist and Scholar).
- Elicit a concise and accurate medical history with real patients with common medical or surgical conditions. Identify relevant symptoms, recent and past medical history, medication, allergies and social history, and accurate physical examination identifying relevant abnormal signs (Capability 2: Clinical Practitioner).
- Summarise history and physical examination findings concisely and accurately in verbal or written form to peers or colleagues (Capability 2: Clinical Practitioner).
- Use sound clinical reasoning skills to derive diagnoses, investigations and basic management plans for common medical and surgical conditions, as relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism.(Capability 2: Clinical Practitioner).
- Demonstrate basic procedural skills in a simulated or clinical environment (Capability 2: Clinical Practitioner).
- Identify and discuss, social, cultural and economic factors as well as the healthcare team and health system factors which may impact on healthcare and population health

relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism. ((Capability 3: Engaged Global Citizen)

## Clinical Viva

Assessment Type [1]: Viva/oral examination
Indicative Time on Task [2]: 6 hours
Due: **Week 10**
Weighting: **20%**

The viva will involve an oral presentation of the case presented in your Case Report and will involve answering questions relevant to the case. Overall performance, capability aspects and Stage 1 Entrustable Professional Activities will be assessed and recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:

- Apply knowledge of relevant medical sciences, clinical presentations, scientific principles and mechanisms of disease to explain a variety of common or clinically-significant disease states, as well as how drugs and other treatments are used to manage or prevent disease in various population sub-groups (Capability 1: Scientist and Scholar).
- Identify questions and learning needs arising from clinical cases, and work individually or as part of a group to create appropriate responses to clinical scenarios relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism by evaluating evidence from a range of sources, including medical scientific literature (Capability 1: Scientist and Scholar).
- Elicit a concise and accurate medical history with real patients with common medical or surgical conditions. Identify relevant symptoms, recent and past medical history, medication, allergies and social history, and accurate physical examination identifying relevant abnormal signs (Capability 2: Clinical Practitioner).
- Summarise history and physical examination findings concisely and accurately in verbal or written form to peers or colleagues (Capability 2: Clinical Practitioner).
- Use sound clinical reasoning skills to derive diagnoses, investigations and basic management plans for common medical and surgical conditions, as relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism.(Capability 2: Clinical Practitioner).
- Identify and discuss, social, cultural and economic factors as well as the healthcare team and health system factors which may impact on healthcare and population health

relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism. ((Capability 3: Engaged Global Citizen)

## Reflection and Learning Plan

Assessment Type [1]: Lesson plan
Indicative Time on Task [2]: 5 hours
Due: **Week 10**
Weighting: **0%**

You must keep a logbook documenting your attendance at your clinical placements and recording your interactions with patients, key learnings and reflections. You will be required to reflect on your experiences over the entire unit, identify your ongoing learning needs and generate a learning plan.

On successful completion you will be able to:

- Identify questions and learning needs arising from clinical cases, and work individually or as part of a group to create appropriate responses to clinical scenarios relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism by evaluating evidence from a range of sources, including medical scientific literature (Capability 1: Scientist and Scholar).
- Use feedback from teachers, clinicians, peers and patients, to inform self-evaluation and critical reflection (Capability 4: Professional).

## Clinical Quiz

Assessment Type [1]: Examination
Indicative Time on Task [2]: 16 hours
Due: **Week 10**
Weighting: **40%**

The Clinical Quiz is a written examination consisting of mainly multiple choice and some short answer questions which will be mapped to capability aspects. Overall and capability aspects performance will be recorded in your Macquarie Assessment Portfolio.

On successful completion you will be able to:

- Apply knowledge of relevant medical sciences, clinical presentations, scientific principles and mechanisms of disease to explain a variety of common or clinically-significant

disease states, as well as how drugs and other treatments are used to manage or prevent disease in various population sub-groups (Capability 1: Scientist and Scholar).

- Identify questions and learning needs arising from clinical cases, and work individually or as part of a group to create appropriate responses to clinical scenarios relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism by evaluating evidence from a range of sources, including medical scientific literature (Capability 1: Scientist and Scholar).
- Use sound clinical reasoning skills to derive diagnoses, investigations and basic management plans for common medical and surgical conditions, as relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism.(Capability 2: Clinical Practitioner).
- Identify and discuss, social, cultural and economic factors as well as the healthcare team and health system factors which may impact on healthcare and population health relevant to cardiovascular, respiratory, gastroenterology, surgery and metabolism. ((Capability 3: Engaged Global Citizen)

---

[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

Unit specific tutorials, case based tutorials, bed-side tutorials, clinical placements

# 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
- 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). 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.

# Changes since First Published

| Date | Description |
|---|---|
| 28/01/2022 | General assessment information updated |