



# MEDI921

## Musculoskeletal, Neurosciences and Ageing

MDA 2019

*Medicine and Health Sciences Faculty level units*

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## General Information

Unit convenor and teaching staff

Unit Convenor

Associate Professor Andrew Davidson

[andrew.davidson@mq.edu.au](mailto:andrew.davidson@mq.edu.au)

Contact via email

contact via email for appointment

Bedside Tutor

Dr Pirooz Poursoltan

[pirooz.poursoltan@mq.edu.au](mailto:pirooz.poursoltan@mq.edu.au)

Contact via email

contact via email for appointment

Bedside Tutor

Dr Veronica Preda

[veronica.preda@mq.edu.au](mailto:veronica.preda@mq.edu.au)

Contact via email

contact via email for appointment

Bedside Tutor

Professor Alvin Ing

[alvin.ing@mq.edu.au](mailto:alvin.ing@mq.edu.au)

Contact via email

contact via email for appointment

Bedside Tutor

Dr Grant Shalaby

[grant.shalaby@mq.edu.au](mailto:grant.shalaby@mq.edu.au)

Contact via email

contact via email for appointment

Bedside Tutor

Dr Jenny Lee

[jenny.lee@mq.edu.au](mailto:jenny.lee@mq.edu.au)

Contact via email

contact via email for appointment

Bedside Tutor

Associate Professor Fredrick Joshua

[fredrick.joshua@mq.edu.au](mailto:fredrick.joshua@mq.edu.au)

Contact via email

contact via email for appointment

Bedside Tutor

Associate Professor Bernard Champion

[bernard.champion@mq.edu.au](mailto:bernard.champion@mq.edu.au)

Contact via email

contact via email for appointment

Bedside Tutor

Associate Professor Vivek Thakkar

[vivek.thakkar@mq.edu.au](mailto:vivek.thakkar@mq.edu.au)

Contact via email

contact via email for appointment

Bedside Tutor

Dr Robin Gasiorowski

[robin.gasiorowski@mq.edu.au](mailto:robin.gasiorowski@mq.edu.au)

Contact via email

contact via email for appointment

Joy Kennedy

[joy.kennedy@mq.edu.au](mailto:joy.kennedy@mq.edu.au)

Collette Tosen

[collette.tosen@mq.edu.au](mailto:collette.tosen@mq.edu.au)

Credit points

8

Prerequisites

MEDI910 and MEDI911 and MEDI912 and MEDI913 and MEDI914 and MEDI915

Corequisites

Co-badged status

### Unit description

This unit is arranged around a patient-centred contextual approach to experiential learning. Over a 10-week period, students will build their 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 high-level theme, common across all units offered in that period, linked to a set of unit-specific case presentations, topics or scenarios to provide a central focus for student learning. The unit expands on the students' clinical knowledge and furthers their understanding of the clinical disciplines of Musculoskeletal, Neurosciences, Ageing and Bones and Joints. It includes weekly lectures/seminars, case based learning sessions, clinical bedside tutorials, procedural skills sessions, as well as clinical placements with relevant clinical teams. Students are expected to use these learning opportunities to consolidate their medical science knowledge, history taking and physical examination skills, and use real pathology to develop and integrate these to develop clinical reasoning and diagnostic skills.

## 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:

Capability 1. Scientist and Scholar: 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 musculoskeletal, neurosciences and ageing by evaluating evidence from a range of sources (including medical scientific literature).

Capability 2. Clinical Practitioner: 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 musculoskeletal, neurosciences and ageing.

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

Capability 3. Engaged Global Citizen: 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 musculoskeletal, neurosciences and ageing.

Capability 4. Professional: 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.

## General Assessment Information

Detailed Information regarding the assessment for the Macquarie MD is available on the iLearn Macquarie MD Year Noticeboard 2018 Intake site. Further details for each assessment task will be available on **Macquarie MD - Year 2 2018 Intake** iLearn site.

### Grading

In this unit two types of grading will be used, and a supervision recommendation will be given where a clinical assessment relates to a Stage 1 Entrustable Professional Activity (EPA). The clinical quiz will be graded numerically with a standardised mark out of 100, while the other assessments will be coarse graded. Coarse grades (P+, P, P-, F) will be assigned to the focussed and generic MD Capability Aspects as well as overall task performance. The numeric marks for the examinations and overall coarse grade for the assessment task weighted according to their contribution will be used to calculate the overall Unit aggregate. Unit outcomes, based on the Unit aggregate, will be reported to the University using the standard Macquarie grades (High Distinction, Distinction, Credit, Pass, Fail). Because most assessment tasks in the program are coarse graded, a **single numerical grade (SNG)** equivalent will be reported for each University grade. Both the numeric equivalents for the coarse grades used in the calculation of the unit aggregate and the conversion of the aggregate to a SNG are available on the iLearn **Macquarie MD Year Noticeboard 2018 Intake** site.

All final grades in the Macquarie MD are reviewed by the MD Program Board and Faculty Assessment Committees and ratified by the FMHS Faculty Board so therefore 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, meet any ungraded requirements which include professionalism, submission of sufficient number and satisfactory performance in Direct Observation of Procedural Skills (DOPS) and Mini Clinical Evaluation Exercise (MiniCex) and achieve a unit aggregate of 50% or better.

### 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 Special Consideration Policy available at <https://students.mq.edu.au/study/my-study-program/special-consideration>

## Professional Expectations

Professionalism is a key capability embedded in the Macquarie MD. Professional Behaviour Notifications (PBN) and Professional Behaviour Commendations (PBC) may be awarded and 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 bedside, unit-specific and case-based tutorials and allocated clinical experiences. If attendance is deemed to be of concern, the student will be referred to the Lead (Student Professionalism) for remediation, subsequent monitoring, and recording in the portfolio. All lectures and tutorials are scheduled in the Macquarie MD Year 2 MDA Timetable available on the **Macquarie MD - Year 2 2018 Intake** site. Please note the timetable will be varied to accommodate the schedules of leading clinicians who will deliver learning and teaching activities.

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 (PBN) in the portfolio.

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#">AT1: Case Report</a>	40%	No	MDA Week 9 or 20, or 31
<a href="#">AT 2: Clinical Viva (15min)</a>	20%	No	Week 10/11 or 21/22 or 32/33
<a href="#">AT 3: Clinical Quiz</a>	20%	No	MDA Week 11 or 22 or 33
<a href="#">AT4: MINI-CEX</a>	0%	No	MDA Week 11 or 22 or 33
<a href="#">AT5:DOPs</a>	0%	No	MDA Week 11 or 22 or 33
<a href="#">AT6: Logbook and ITA</a>	20%	No	MDA Week 11 or 22 or 33
<a href="#">AT7 Bedside Tutor Report</a>	0%	No	MDA week 10 or 21 or 32

### AT1: Case Report

Due: **MDA Week 9 or 20, or 31**

Weighting: **40%**

The case report is a written assignment of a approximately 2000 words about a patient the student has taken a comprehensive history and performed a physical examination. The report has the following 4 sections:

1. Comprehensive case summary

Assessing the following Macquarie MD Focussed Capability Aspects (CA):

## **CA 2.1 An effective personal and digital communicator**

## **CA 2.2 A patient-centred and safe clinician**

The assessor will provide a supervision recommendation for the following Stage 1 Entrustable Professional Activity (EPA):

### **Stage 1 EPA 3 Communicate information relevant to patient's care with other members of the health care team**

2. An account of how ONE of the following medical science disciplines significantly relates to the underlying pathophysiology reported in the case: anatomy, biochemistry, immunology, imaging, pathology, microbiology, physiology or pharmacology. A different discipline of medical science must be addressed in MEDI920, MEDI921, MEDI922

Assessing the following Macquarie MD Focussed Capability Aspect:

#### **CA 1.1 An applied medical scientist**

3. A focus on how ONE of the following Macquarie MD Capability Aspects applies to the patient: A different capability aspect must be addressed in MEDI920, MEDI921, MEDI922

Assessing ONE of the following Macquarie MD Focussed Capability Aspects:

#### **CA 3.1 A socially and culturally versatile practitioner**

#### **CA 3.2 A public health and systems aware practitioner**

#### **CA 4.1 A team worker**

4. Inclusion of and rationale for a relevant scientific paper, medical guidelines or patient education materials.

The assessor will provide a supervision recommendation for the following Stage 1 Entrustable Professional Activity (EPA):

### **Stage 1 EPA 4 Provide the health care team with resources to improve an individual patient's care or collective patient care**

Overall the report will also assess the following Macquarie MD Generic Capability Aspects (GCA):

#### **GCA 1.2 A scholar: search and citation standard**

#### **GCA 4.2 A professional: meeting expectations and obligations**

On successful completion you will be able to:

- Capability 1. Scientist and Scholar: 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 musculoskeletal, neurosciences and ageing by evaluating evidence from a range of sources (including medical scientific literature).

- 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 musculoskeletal, neurosciences and ageing.
- Capability 3. Engaged Global Citizen: 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 musculoskeletal, neurosciences and ageing.
- Capability 4. Professional: 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.

## AT 2: Clinical Viva (15min)

Due: **Week 10/11 or 21/22 or 32/33**

Weighting: **20%**

The viva will involve an oral presentation of the case presented in Assessment Task 1 and will involve answering questions relevant to the case. The assessor will provide a supervision recommendation for the following Stage 1 Entrustable Professional Activities:

**Stage 1 EPA 2 Integrate information gathered from a patient to construct a reasoned and prioritized differential diagnosis as well as a preliminary plan for common clinical presentations and diagnoses**

**Stage 1 EPA 3 Communicate information relevant to patient's care with other members of the health care team**

The Viva will also assess the following Macquarie MD Focussed Capability Aspects:

**CA 2.1 An effective personal and digital communicator**

**CA 2.2 A patient-centred and safe clinician**

As well as the focussed capability chosen for the AT1 but may also assess any of the other Macquarie MD Focussed Capability Aspects listed below. Assessing other capability aspects will not be made unless there is adequate discussion related to that specific capability within the viva.

**CA 1.1 Applied medical scientist**

### **CA 3.1 A socially and culturally versatile practitioner**

### **CA 3.2 A public health and systems aware practitioner**

### **CA 4.1 A team worker**

On successful completion you will be able to:

- Capability 1. Scientist and Scholar: 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 musculoskeletal, neurosciences and ageing by evaluating evidence from a range of sources (including medical scientific literature).
- 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 musculoskeletal, neurosciences and ageing.
- Capability 3. Engaged Global Citizen: 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 musculoskeletal, neurosciences and ageing.
- Capability 4. Professional: 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.

## **AT 3: Clinical Quiz**

Due: **MDA Week 11 or 22 or 33**

Weighting: **20%**

The Clinical Quiz is a written examination consisting of mainly multiple choice and some short answer questions.

Assessing the following Macquarie MD Focussed Capability Aspects:

### **CA 1.1 An applied medical scientist**

### **CA 2.2 A patient-centred and safe clinician**

On successful completion you will be able to:

- Capability 1. Scientist and Scholar: 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 musculoskeletal, neurosciences and ageing by evaluating evidence from a range of sources (including medical scientific literature).
- 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 musculoskeletal, neurosciences and ageing.
- Capability 4. Professional: Participate as an effective team player in tutorial groups and clinical environment with peers and clinical staff.

## AT4: MINI-CEX

Due: **MDA Week 11 or 22 or 33**

Weighting: **0%**

Students will be required to submit atleast 3 satisfactory (P- or better) Mini Clinical Evaluation Exercise (Mini-CEX).

Mini-CEX will assess the following Macquarie MD focussed Capability Aspects:

**CA 2.1 An effective personal and digital communicator**

**CA 2.2 A patient-centred and safe clinician**

**CA 4.2 An ethical and reflective practitioner**

In addition depending on the case the assessor will provide a supervision recommendation one or more of the following Stage 1 Entrustable Professional Activities:

**Stage 1 EPA 1 Gather information from a medically stable patient with a common clinical presentation.**

**Stage 1 EPA 2 Integrate information gathered from a patient to construct a reasoned and prioritized differential diagnosis as well as a preliminary plan for common clinical presentations and diagnoses.**

**Stage 1 EPA 3 Communicate information relevant to patient's care with other members of the health care team.**

On successful completion you will be able to:

- Capability 2.Clinical Practitioner: 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 musculoskeletal, neurosciences and ageing.
- Capability 4. Professional: 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.

## AT5:DOPs

Due: **MDA Week 11 or 22 or 33**

Weighting: **0%**

Students must submit at least 2 satisfactory (P- or better) DOPs ( Direct Observation of Procedural Skills). DOPS assess the following Macquarie MD Focussed Capability Aspects:

**CA 2.1 An effective personal and digital communicator**

**CA 2.2 A patient-centred and safe clinician**

**CA 4.2 An ethical and reflective practitioner**

In addition depending on the case the assessor will provide a supervision recommendation on the following Stage 1 Entrustable Professional Activity:

**Stage 1 EPA 5 Perform required procedures**

On successful completion you will be able to:

- Capability 2.Clinical Practitioner: 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 musculoskeletal, neurosciences and ageing.

- Capability 2. Clinical Practitioner: Demonstrate basic procedural skills in a simulated or clinical environment.
- Capability 4. Professional: Use feedback from teachers, clinicians, peers and patients, to inform self-evaluation and critical reflection.

## AT6: Logbook and ITA

Due: **MDA Week 11 or 22 or 33**

Weighting: **20%**

### **Logbook, In-Training Assessment (ITA) and Learning Plan**

During the unit, students must keep a logbook in which interactions with patients during the unit's associated clinical experiences must be recorded and submitted. Logbooks will include brief patient demographic and clinical information. An In-Training Assessment (ITA) evaluating the student's engagement and participation in clinical experiences, unit activities and bed side tutorials will also be completed.

Assessing the following Macquarie MD Generic Capability Aspect:

#### **GCA 4.2 A professional: meets requirements and obligations**

Students will be required to reflect on the cases and experiences reported in the logbook and generate a learning plan to be pursued in future parts of Macquarie MD.

Assessing the following Macquarie MD Focussed Capability Aspect:

#### **CA 4.2 An ethical and reflective practitioner**

On successful completion you will be able to:

- Capability 4. Professional: 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.

## AT7 Bedside Tutor Report

Due: **MDA week 10 or 21 or 32**

Weighting: **0%**

The Bedside Tutor will complete an assessment on each member of his/her bedside tutorial group, evaluating the student's attendance, engagement and participation in bedside tutorials.

Assessing the following Macquarie MD Generic Capability Aspect:

#### **GCA 4.2 A professional: meets requirements and obligations**

The Bedside Tutorial will also provide a supervision recommendation the following Stage 1

Entrustable Professional Activities:

**Stage 1 EPA 1 Gather information from a medically stable patient with a common clinical presentation.**

**Stage 1 EPA 2 Integrate information gathered from a patient to construct a reasoned and prioritized differential diagnosis as well as a preliminary plan for common clinical presentations and diagnoses.**

**Stage 1 EPA 3 Communicate information relevant to patient's care with other members of the health care team.**

On successful completion you will be able to:

- Capability 1. Scientist and Scholar: 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 musculoskeletal, neurosciences and ageing by evaluating evidence from a range of sources (including medical scientific literature).
- Capability 2. Clinical Practitioner: 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 musculoskeletal, neurosciences and ageing.
- Capability 2. Clinical Practitioner: Demonstrate basic procedural skills in a simulated or clinical environment.
- Capability 3. Engaged Global Citizen: 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 musculoskeletal, neurosciences and ageing.
- Capability 4. Professional: Participate as an effective team player in tutorial groups and clinical environment with peers and clinical staff.

## Delivery and Resources

### MACQUARIE MD TEXTBOOK LIST - YEAR 2 2019

#### PRIMARY TEXTS:

- **Medicine:** Davidson's principles and practice of medicine (22nd edition). Colledge et al (2014). ISBN: 9780702050350.
- **Surgery:** Davidson's Principles and Practice of Surgery. 7th Ed (2017). Garden OJ, Bradbury AW, Forsythe JLR, Parks RW editors. Philadelphia: Churchill Livingstone Elsevier.

#### ADDITIONAL OPTIONAL TEXTS:

- **Surgery:** Henry MM, Thompson JN, editors. Clinical Surgery. 3rd Edition. Edinburgh: Saunders; 2012
- **Microbiology:** Goering et al (2013). Mims' medical microbiology (5th edition). ISBN: 9780723436010.
- **Pathology:** Kumar et al. Robbins and Cotran pathologic basis of disease (9th edition). ISBN: 9781455726134.
- **Pharmacology:** Rang et al (2016). Rang and Dale's pharmacology (8th edition). ISBN: 9780702053627
- **Clinical Skills:** Talley, N., O'Connor, S. (2017) Clinical examination. A systematic guide to physical diagnosis (8th ed.) Elsevier. ISBN 9780729542869.
- **Procedural Skills:** Dehn, R & Asprey, D. (2013). Essential Clinical Procedures (3rd ed.) Elsevier Saunders. ISBN 9781455707812.

### MEDI920 Primary Care, Wellbeing and Cancer

- **General Practice:**
  - John Murtagh's General Practice 6th edition (2015)
  - Oxford Handbook of General Practice (4th Ed). Chantal Simon, Hazel Everitt, Françoise van Dorp, and Matt Burkes. Publisher: Oxford University Press 2014. Print ISBN-13: 9780199671038
- **Dermatology:** ABC of Dermatology (ABC Series) 5th Edition. Paul K. Buxton (Editor), Rachael Morris-Jones (Editor)
- **Oncology:** Davidson's principles and practice of medicine

### MEDI921 Musculoskeletal, Neurosciences and Ageing

- **Neurosurgery:**
  - Davidson's principles and practice of surgery



- Mark S Greenberg's "Handbook of Neurosurgery", 8th ed (2016)
- **Neurology:**
  - Davidson's principles and practice of medicine
  - Mayo Clinic Essential Neurology. Second Edition (2018). Andrea C. Adams. Mayo Clinic Scientific Press
- **Clinical Neuroanatomy:** Snell's Clinical Neuroanatomy. ISBN: 9780781794275.
- **Ophthalmology:** ABC of Eyes, 4th Edition (2004). Peng T. Khaw, Peter Shah, Andrew R. Elkington. ISBN: 978-0-727-91659-4. BMJ Books
- **ENT:** ABC of Ear, Nose and Throat, 5th Edition (2013). Harold S. Ludman (Editor), Patrick J. Bradley (Editor). ISBN: 978-1-118-70013-6. BMJ Books.
- **Orthopaedics:**
  - Davidson's principles and practice of Surgery
  - Solomon L, Warwick DJ, Nayagam S. Apley's Concise System of Orthopaedics and Fractures. 3rd Ed. Danvers: CRC Press 2005
- **Rheumatology:** Davidson's principles and practice of medicine

## **MEDI922 Cardiovascular, Respiratory, Gastroenterology and Metabolism**

- **Cardiology:**
  - Davidson's principles and practice of medicine
  - Lilly, L. (Ed.). (2016). Pathophysiology of Heart Disease. A Collaborative Project of Medical Students and Faculty (6th ed.). Philadelphia, PA: Wolters Kluwer.
  - Hampton, John. (2013). The ECG Made Easy, International Edition. London: Churchill Livingstone.
- **Respiratory:** Davidson's principles and practice of medicine
- **Gastroenterology:** Davidson's principles and practice of medicine & Davidson's principles and practice of surgery

## **MEDI923 Critical Care, Patient Safety and Quality, and Research**

- **Critical Care:** Bersten, A., (Ed.). (2013). Oh's Intensive Care Manual (7th ed.). Elsevier Health Sciences
- **Research Methodology:** Harris, M., & Taylor, G. (2014). Medical Statistics Made Easy: 3rd Edition. Scion Publications.

## **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 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.

### **Teaching and Learning Strategy**

This unit will have a 2 hour unit specific and 2 hour case-based tutorial every week for 10 weeks as well as weekly 2 hour bedside tutorial and 2 hour longitudinal lecture series spanning the 3 integrated Clinical Studies units MEDI920, MEDI921, MEDI92. In addition students will have at least 8 hours per week of immersive clinical experiences to enhance their knowledge and skill development.

### **iLearn**

This unit's iLearn site will provide weekly resources for students and assessment information, in addition relevant information may also be posted on the iLearn Macquarie MD intake 2018 noticeboard and the **Macquarie MD - Year 2 2018 Intake** iLearn site.

## **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](http://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

- Capability 2.Clinical Practitioner: 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 musculoskeletal, neurosciences and ageing.
- Capability 2.Clinical Practitioner: Demonstrate basic procedural skills in a simulated or clinical environment.
- Capability 3. Engaged Global Citizen: 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 musculoskeletal, neurosciences and ageing.
- Capability 4. Professional: 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.

#### Assessment tasks

- AT1: Case Report
- AT 2: Clinical Viva (15min)
- AT 3: Clinical Quiz
- AT4: MINI-CEX

- AT5:DOPs
- AT6: Logbook and ITA
- AT7 Bedside Tutor Report

## 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

- Capability 1. Scientist and Scholar: 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 musculoskeletal, neurosciences and ageing by evaluating evidence from a range of sources (including medical scientific literature).
- Capability 2. Clinical Practitioner: 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 musculoskeletal, neurosciences and ageing.
- Capability 2. Clinical Practitioner: Demonstrate basic procedural skills in a simulated or clinical environment.
- Capability 3. Engaged Global Citizen: 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 musculoskeletal, neurosciences and ageing.

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## 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

- Capability 1. Scientist and Scholar: 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.
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- Capability 4. Professional: Use feedback from teachers, clinicians, peers and patients, to

inform self-evaluation and critical reflection.

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## **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**

- Capability 1. Scientist and Scholar: 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.
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## **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**

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## 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

- Capability 2.Clinical Practitioner: 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.
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## **Changes from Previous Offering**

Not previously offered