



MEDI3100

Clinical Anatomy and Medical Imaging

Session 2, In person-scheduled-weekday, North Ryde 2026

Macquarie Medical School

Contents

<u>General Information</u>	2
<u>Learning Outcomes</u>	3
<u>General Assessment Information</u>	3
<u>Assessment Tasks</u>	4
<u>Delivery and Resources</u>	7
<u>Unit Schedule</u>	7
<u>Policies and Procedures</u>	8
<u>Changes from Previous Offering</u>	10
<u>Artificial Intelligence Tools</u>	10
<u>Inclusion and Diversity</u>	10
<u>Professionalism</u>	10
<u>Professionalism in Anatomy</u>	11

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General Information

Unit convenor and teaching staff

Unit Convenor

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Contact via iLearn message

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Consultation hours: By appointment.

Course Director

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Level 1, 75 Talavera Rd, Macquarie University.

Consultation hours: By appointment.

Credit points

10

Prerequisites

130cp including (HLTH108 or ANAT1001 or MHHS1002) and 20cp from (MEDI204 or MEDI2300 or MEDI203 or MEDI2100 or HLTH213 or ANAT2003 or MHHS2401 or MHHS2402 or MHHS2403 or MHHS2404 or BIOL247 or BIOL2220)

Corequisites

Co-badged status

Unit description

In this unit you will synthesise knowledge to appreciate the structural and functional relationships of the human body and enable a better understanding of the features of health and disease. The unit will cover the regions of the body routinely examined clinically as part of an initial patient assessment. Clinically applied anatomy of the head and neck, nervous system, thorax, abdomen, pelvis and limbs will be emphasised, and reinforced by examination of cadavers, surface anatomy, imaging and clinical testing. The unit will be useful for students considering medicine or paramedical careers where initial patient assessment is mandatory.

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: Identify and analyse the clinically-relevant anatomy of the major body systems and the changes characterising common system disorders both in situ and in medical imaging. (Scientist and Scholar)

ULO2: Recognise and explain the major components of a basic functional assessment of the major body systems. (Scientist and Scholar)

ULO3: Explain the principles of clinical imaging for plain film radiography, CT, MRI, sonography and SPECT, and the risk-benefit rationale underlying referral protocols. (Scientist and Scholar)

ULO4: Demonstrate effective interpersonal and professional communication skills, including the ability to clearly and accurately convey clinical anatomical concepts to both peers and non-specialist audiences, whether working independently or as part of a team. (Practitioner)

General Assessment Information

Grade descriptors and other information concerning grading are contained in the [Macquarie University Assessment Policy](#).

All final grades are determined by a grading committee, in accordance with the Macquarie University Assessment Policy, and are not the sole responsibility of the Unit Convenor.

Students will be awarded a final grade and a mark, which must correspond to the grade descriptors specified in the [Assessment Procedure](#).

To pass this unit, you must demonstrate sufficient evidence of achievement of the learning outcomes, meet any ungraded requirements, and achieve a final mark of 50 or better.

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

Short Extension

The Assessment Task table lists which assessments are eligible for a Short Extension. You can only apply for a Short Extension before the assessment due date. No reason or evidence is required. It will extend the due date by an additional 3 calendar days. You can only receive one Short Extension for each eligible assessment task. Short Extensions are not available if you have already received an IEAP Extension or Special Consideration for that assessment task.

Special Consideration

If you are unable to complete an assessment task on or by the specified date due to circumstances that are unexpected, unavoidable, significantly disruptive and beyond your control, you may apply for special consideration in accordance with the [Special Consideration Po](#)

licy. Applications for special consideration must be supported by appropriate evidence and submitted via connect.mq.edu.au.

Late Submissions

A 5% penalty (OF THE TOTAL POSSIBLE MARK) will be applied each day a written assessment is not submitted, up to the 7th day (including weekends). After the 7th day, a grade of '0' will be awarded even if the assessment is submitted. Submission time for all written assessments is set at 11.55 pm. A 1-hour grace period is provided to students who experience a technical concern. Submission of assessments after 7 days can be accepted at the discretion of the unit convenor and may be taken into account in determining whether you have met the learning outcomes of the unit to support passing the unit. Days late will be calculated from the date listed in the Assessment Tasks table, or from the extended due date if a Short Extension or Special Consideration application is accepted.

For example:

Number of days (hours) late	Total Possible Marks	Deduction	Raw mark	Final mark
1 day (1-24 hours)	100	5	75	70
2 days (24-48 hours)	100	10	75	65
3 days (48-72 hours)	100	15	75	60
7 days (144-168 hours)	100	35	75	40
>7 days (>168 hours)	100	—	75	0

Assessment Tasks

Name	Weighting	Hurdle	Due	Groupwork/Individual	Short Extension	AI Approach
Group video presentation	30%	No	06/09/2026	Group	No	Observed
Practical assessment	30%	No	Week 11	Individual	No	Observed
End of session examination	40%	No	Exam Period	Individual	No	Observed

Group video presentation

Assessment Type [1](#): Presentation task

Indicative Time on Task [2](#): 27 hours

Due: **06/09/2026**

Weighting: **30%**

Groupwork/Individual: Group

Short extension ³: No

AI Approach: Observed

As part of a small group, you will produce a video presentation on selected clinical conditions. The video should explain the relevant clinical anatomy and medical imaging, and demonstrate one or more appropriate physical examination techniques.

On successful completion you will be able to:

- Identify and analyse the clinically-relevant anatomy of the major body systems and the changes characterising common system disorders both in situ and in medical imaging. (Scientist and Scholar)
- Recognise and explain the major components of a basic functional assessment of the major body systems. (Scientist and Scholar)
- Explain the principles of clinical imaging for plain film radiography, CT, MRI, sonography and SPECT, and the risk-benefit rationale underlying referral protocols. (Scientist and Scholar)
- Demonstrate effective interpersonal and professional communication skills, including the ability to clearly and accurately convey clinical anatomical concepts to both peers and non-specialist audiences, whether working independently or as part of a team. (Practitioner)

Practical assessment

Assessment Type ¹: Practice-based task

Indicative Time on Task ²: 27 hours

Due: **Week 11**

Weighting: **30%**

Groupwork/Individual: Individual

Short extension ³: No

AI Approach: Observed

You will partake in a practical assessment of clinical anatomy, medical imaging, and the synthesis of functional anatomy to interpret and explain normal and abnormal structure and function.

On successful completion you will be able to:

- Identify and analyse the clinically-relevant anatomy of the major body systems and the changes characterising common system disorders both in situ and in medical imaging. (Scientist and Scholar)

- Recognise and explain the major components of a basic functional assessment of the major body systems. (Scientist and Scholar)
- Explain the principles of clinical imaging for plain film radiography, CT, MRI, sonography and SPECT, and the risk-benefit rationale underlying referral protocols. (Scientist and Scholar)
- Demonstrate effective interpersonal and professional communication skills, including the ability to clearly and accurately convey clinical anatomical concepts to both peers and non-specialist audiences, whether working independently or as part of a team. (Practitioner)

End of session examination

Assessment Type ¹: Examination

Indicative Time on Task ²: 36 hours

Due: **Exam Period**

Weighting: **40%**

Groupwork/Individual: Individual

Short extension ³: No

AI Approach: Observed

You will complete a formal exam that uses a combination of question types assessing content delivered across the session. You will complete this assessment under examination conditions during the University examination period.

On successful completion you will be able to:

- Identify and analyse the clinically-relevant anatomy of the major body systems and the changes characterising common system disorders both in situ and in medical imaging. (Scientist and Scholar)
- Recognise and explain the major components of a basic functional assessment of the major body systems. (Scientist and Scholar)
- Explain the principles of clinical imaging for plain film radiography, CT, MRI, sonography and SPECT, and the risk-benefit rationale underlying referral protocols. (Scientist and Scholar)

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
- [Academic Success](#) 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.

³ An automatic short extension is available for some assessments. Apply through the [Service Connect Portal](#).

Delivery and Resources

As a student enrolled in this unit, you will engage in a range of online and face-to-face learning activities. Details can be found on the iLearn site for this unit.

Recommended Readings

- Lumley, J., Craven, J., Abrahams, P. & Tunstall, R. (2019). Bailey & Love's Essential Clinical Anatomy. CRC press ISBN: 978-1-138-29518-6. (Available online through the Waranara Library)
- Talley, N.J. & O'Connor, S. (2017). Talley & O'Connor's Clinical Examination . Elsevier. ISBN: 9780729542869. (Available online through the Waranara Library)
- Abrahams, Peter H; Spratt, Jonathan D; Loukas, Marios; Schoor, Albert-Neels van. (2018) McMinn and Abrahams' Clinical Atlas of Human Anatomy. Elsevier 2018 (Available online through the Waranara Library).
- Spratt, J.D., Salkowski, L.R., Loukas, M., Turmezei, T., Weir, J. & Abrahams, P. (2021). Weir & Abrahams' Imaging atlas of human anatomy. Elsevier: ISBN: 978-0-7020-7926-6. (Hardcopy through the Waranara Library)

Please note that the resources are recommended to complement your understanding of the unit content. The readings are not compulsory and will not be assessed unless covered elsewhere in the unit material.

Technology Used

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

Unit Schedule

- Week 1. Thorax Clinical Anatomy
- Week 2. Introduction to Medical Imaging + Thoracic Imaging
- Week 3. Abdomen and Pelvis Clinical Anatomy
- Week 4. Abdomen and Pelvis Imaging
- Week 5. Spine Anatomy Clinical Anatomy [+AT2 Practice]
- Week 6. Spine Imaging [+AT2 Practice] - **Assessment 1 due**
- Week 7. Upper Limb Clinical Anatomy
- Week 8. Upper Limb Imaging

Mid Semester Break

- Week 9. Lower Limb Clinical Anatomy
- Week 10. Lower Limb Imaging
- Week 11. Head, Neck & Brain Clinical Anatomy - **Assessment 2 due**
- Week 12. Skull & Brain Imaging
- Week 13. Revision

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://policies.mq.edu.au\)](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 \(https://students.mq.edu.au/support/study/policies\)](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 \(https://policies.mq.edu.au\)](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 connect.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/>

Academic Success

[Academic Success](#) provides resources to develop your English language proficiency, academic writing, and communication skills.

- [Ask a Study Coach](#)
- [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 Advocacy](#) provides independent advice on MQ policies, procedures, and processes

Student Enquiries

Got a question? Ask us via the [Service Connect Portal](#), or contact [Service Connect](#).

IT Help

For help with University computer systems and technology, visit <https://students.mq.edu.au/support/technology/service-desk>.

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 from Previous Offering

The following have changed from the 2025 offering:

- Consolidation and refinement of unit learning outcomes.
- The format of submission of assessment 2.

Artificial Intelligence Tools

Macquarie University recognises that artificial intelligence (AI), especially generative AI, is rapidly reshaping education and the modern workplace. As AI becomes increasingly accessible, the University and your teaching staff are committed to preparing you to use these tools effectively, ethically, and with strong professional judgment. Rather than restricting technology, the emphasis is on helping you understand when and how AI can be used to enhance productivity, support learning, and reflect real-world professional practice. Across your degree, we will support you to develop the critical thinking, adaptability, and values-based decision-making skills required to navigate evolving AI tools responsibly, including acknowledging their use appropriately. You should always appropriately acknowledge when you have used AI tools within assessment tasks, including which AI tools you have used and how you have used them.

To provide clarity, Macquarie University uses a simple, two-tiered approach to AI in assessment:

- AI Open assessments allow you to fully incorporate AI, reflecting authentic tasks where AI would normally be used in professional settings.
- Observed with AI Optional assessments involve tasks where you either demonstrate essential knowledge without technology or show how you apply AI under supervision.

Across both categories, the goal is to ensure you build foundational knowledge, exercise sound judgment, and engage with AI in ways that uphold ethical, cultural, and university values.

Inclusion and Diversity

Social inclusion at Macquarie University is about giving everyone who has the potential to benefit from higher education the opportunity to study at university, participate in campus life and flourish in their chosen field. The University has made significant moves to promote an equitable, diverse and exciting campus community for the benefit of staff and students. It is your responsibility to contribute towards the development of an inclusive culture and practice in the areas of learning and teaching, research, and service orientation and delivery. As a member of the Macquarie University community, you must not discriminate against or harass others based on their sex, gender, race, marital status, carers' responsibilities, disability, sexual orientation, age, political conviction or religious belief. All staff and students are expected to display appropriate behaviour that is conducive to a healthy learning environment for everyone.

Professionalism

In the Faculty of Medicine, Health and Human Sciences, professionalism is a key capability

embedded in all our courses.

As part of developing professionalism, **students are expected to attend all small group interactive sessions**, including clinical, practical, laboratory, work-integrated learning (e.g., PACE placements), and team-based learning activities. Some learning activities are recorded (e.g., face-to-face lectures), however you are encouraged to avoid relying upon such material as they do not recreate the whole learning experience and technical issues can and do occur. As an adult learner, we respect your decision to choose how you engage with your learning, but we would remind you that the learning opportunities we create for you have been done so to enable your success, and that by not engaging you may impact your ability to successfully complete this unit. We equally expect that you show respect for the academic staff who have worked hard to develop meaningful activities and prioritise your learning by communicating with them in advance if you are unable to attend a small group interactive session.

Another dimension of professionalism is having respect for your peers. It is the right of every student to learn in an environment that is free of disruption and distraction. Please arrive to all learning activities on time, and if you are unavoidably detained, please join activity as quietly as possible to minimise disruption. Phones and other electronic devices that produce noise and other distractions must be turned off prior to entering class. Where your own device (e.g., laptop) is being used for class-related activities, you are asked to close down all other applications to avoid distraction to you and others. Please treat your fellow students with the utmost respect. If you are uncomfortable participating in any specific activity, please let the relevant academic know.

Professionalism in Anatomy

The study of human anatomy at Macquarie University is governed by the Anatomy Act (1977) and students are admitted to the anatomy laboratories on the proviso that they comply with all relevant legislation.

It is important that this includes respect and professionalism in your dealings with human material and your interactions with your colleagues and members of the public. Donating one's body to science is an act of selflessness and generosity that contributes greatly to advancing medical research and education. It behoves us all, therefore, to treat the donations with utmost care, respect and professionalism. Failure to do so not only can result in serious reputational consequences for you and the University, but can result in suspension, expulsion and possible imprisonment.

Please behave professionally at all times and treat our valuable human anatomy teaching resources with utmost care and respect. Thank you.

Unit information based on version 2026.03 of the [Handbook](#)