



# MHHS1002

## Human Structure and Function

Session 2, Online-flexible 2026

*Medicine, Health and Human Sciences Faculty level units*

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## General Information

Unit convenor and teaching staff

Unit Convenor | Anatomy Lead

A/Prof Irina Dedova

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Consultation by appointment.

Unit Convenor | Physiology Lead

Dr Linda Ban

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Consultation by appointment.

Credit points

10

Prerequisites

Corequisites

Co-badged status

MHHX1002 Human Structure and Function (OUA)

Unit description

This unit introduces key concepts in human anatomy and physiology, focusing on how the body is structured and how it works. You will explore the major body systems and how they interact, giving you a strong foundation for further study in health sciences. The unit highlights how body systems work together to maintain balance and teaches you how to use anatomical and physiological terms to accurately describe body structures and functions.

## 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:** Describe the structure and function of the major body systems. (Scientist and Scholar)

**ULO2:** Explain the interrelationships between body systems and their role in maintaining homeostasis. (Scientist and Scholar)

**ULO3:** Demonstrate the correct use of anatomical and physiological terminology when describing body structures and their functions. (Scientist and Scholar)

**ULO4:** Apply anatomical and physiological knowledge to explain how the body responds to everyday health-related situations. (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 Policy](#). Applications for special consideration must be supported by appropriate evidence and submitted via [connect.mq.edu.au](https://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 |
|----------------------------|-----------|--------|-------------|----------------------|-----------------|-------------|
| <u>Application Task</u>    | 30%       | No     | 10/09/2026  | Individual           | Yes             | Open        |
| <u>Poster Presentation</u> | 30%       | No     | 22/10/2026  | Individual           | Yes             | Open        |
| <u>Final Examination</u>   | 40%       | No     | Exam Period | Individual           | No              | Observed    |

### Application Task

Assessment Type <sup>1</sup>: Problem-based task

Indicative Time on Task <sup>2</sup>: 27 hours

Due: **10/09/2026**

Weighting: **30%**

Groupwork/Individual: Individual

Short extension <sup>3</sup>: Yes

AI Approach: Open

You will complete a series of problem sets with multimodal questions that assess concepts in anatomy and physiology.

On successful completion you will be able to:

- Describe the structure and function of the major body systems. (Scientist and Scholar)

- Explain the interrelationships between body systems and their role in maintaining homeostasis. (Scientist and Scholar)
- Demonstrate the correct use of anatomical and physiological terminology when describing body structures and their functions. (Scientist and Scholar)
- Apply anatomical and physiological knowledge to explain how the body responds to everyday health-related situations. (Practitioner)

## Poster Presentation

Assessment Type <sup>1</sup>: Presentation task

Indicative Time on Task <sup>2</sup>: 27 hours

Due: **22/10/2026**

Weighting: **30%**

Groupwork/Individual: Individual

Short extension <sup>3</sup>: Yes

AI Approach: Open

You will create a poster that examines the interrelationship between body systems in the context of a specific health situation or condition.

On successful completion you will be able to:

- Describe the structure and function of the major body systems. (Scientist and Scholar)
- Explain the interrelationships between body systems and their role in maintaining homeostasis. (Scientist and Scholar)
- Demonstrate the correct use of anatomical and physiological terminology when describing body structures and their functions. (Scientist and Scholar)
- Apply anatomical and physiological knowledge to explain how the body responds to everyday health-related situations. (Practitioner)

## Final Examination

Assessment Type <sup>1</sup>: Examination

Indicative Time on Task <sup>2</sup>: 36 hours

Due: **Exam Period**

Weighting: **40%**

Groupwork/Individual: Individual

Short extension <sup>3</sup>: No

AI Approach: Observed

You will complete a formal invigilated exam with mixed question types that assess concepts in anatomy and physiology.

On successful completion you will be able to:

- Describe the structure and function of the major body systems. (Scientist and Scholar)
- Explain the interrelationships between body systems and their role in maintaining homeostasis. (Scientist and Scholar)
- Demonstrate the correct use of anatomical and physiological terminology when describing body structures and their functions. (Scientist and Scholar)
- Apply anatomical and physiological knowledge to explain how the body responds to everyday health-related situations. (Practitioner)

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<sup>1</sup> 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.

<sup>2</sup> Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation.

<sup>3</sup> 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 learning activities, including readings, online modules, videos, and drop-in sessions. Details can be found on the iLearn site for this unit.

## Recommended Resources

All necessary learning material for this unit of study will be provided on the iLearn site and within the delivered modules. Recommended resources may be used to supplement learning. The prescribed textbook is available electronically via the Waranara Library website.

### Prescribed textbook:

- [Marieb, E. N. & Hoehn, K. \(2023\). \*Human anatomy and physiology\* \(Global 12th ed.\). Pearson.](#)

### Recommended textbooks:

- [Marieb, E. N. & Keller, S. M. \(2022\). \*Essentials of human anatomy & physiology\* \(Global 13th ed.\). Pearson.](#)

### Recommended multimedia:

- [Complete Anatomy](#)
- [Journal of Visualized Experiments](#)

## Technology Use

Active participation in the learning activities throughout the unit will require students to have access to a tablet, laptop or similar device.

## Unit Schedule

This unit of study will be delivered across a 13 week period, followed by a formal examination period. **All learning activities for this unit are online and self-paced.** Staff will also support your learning through regular online drop-in sessions.

| Week        | Topic                                                | Assessment                           |
|-------------|------------------------------------------------------|--------------------------------------|
| 1           | Introduction to the Human Body;<br>Cells and Tissues |                                      |
| 2           | Skeletal System                                      |                                      |
| 3           | Articular System                                     |                                      |
| 4           | Muscular System                                      |                                      |
| 5           | Nervous System                                       |                                      |
| 6           | Special Senses                                       |                                      |
| 7           | Cardiovascular System                                | <b>AT1 Application Task (30%)</b>    |
| 8           | Respiratory System                                   |                                      |
| Recess      |                                                      |                                      |
| 9           | Endocrine System;<br>Immune System                   |                                      |
| 10          | Digestive System                                     |                                      |
| 11          | Urinary System                                       | <b>AT2 Poster Presentation (30%)</b> |
| 12          | Reproductive System                                  |                                      |
| 13          | <i>Revision week (no new material)</i>               |                                      |
| Exam Period |                                                      | <b>AT3 Final Examination (40%)</b>   |

## 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](https://connect.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto: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.

## 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.

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