



# ANAT1001

## Introduction to Anatomy

Session 2, Special circumstance, North Ryde 2021

*Department of Chiropractic*

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### 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.

### Session 2 Learning and Teaching Update

The decision has been made to conduct study online for the remainder of Session 2 for all units WITHOUT mandatory on-campus learning activities. Exams for Session 2 will also be online where possible to do so.

This is due to the extension of the lockdown orders and to provide certainty around arrangements for the remainder of Session 2. We hope to return to campus beyond Session 2 as soon as it is safe and appropriate to do so.

Some classes/teaching activities cannot be moved online and must be taught on campus. You should already know if you are in one of these classes/teaching activities and your unit convenor will provide you with more information via iLearn. If you want to confirm, see the list of [units with mandatory on-campus classes/teaching activities](#).

Visit the [MQ COVID-19 information page](#) for more detail.

## General Information

Unit convenor and teaching staff

Patty Hodgson

[patricia.hodgson@mq.edu.au](mailto:patricia.hodgson@mq.edu.au)

Stephanie Marhoff-Beard

[stephanie.marhoff-beard@mq.edu.au](mailto:stephanie.marhoff-beard@mq.edu.au)

Credit points

10

Prerequisites

Corequisites

Co-badged status

Unit description

This is an introductory unit which presents the basic concepts in gross anatomy, histology and embryology. All systems of the human body are introduced and described at the microscopic and macroscopic levels. The unit also focuses on clinical and surface anatomy. Anatomical models, histology slides and medical imagery are used in the practical sessions.

## 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:** Adopt and be able to use anatomical terminology: define and understand the anatomical position, anatomical planes, sections and directional terms.

**ULO2:** Describe different levels of structural organisation of the human body.

**ULO3:** Name and identify the four basic tissues and describe the major characteristics of each.

**ULO4:** Describe the major developmental events that occur during the embryonic and foetal periods.

**ULO5:** Describe the microscopic and macroscopic anatomy of all systems of the human body and explain their functions: Integumentary, Skeletal, Muscular, Cardiovascular,

Lymphatic, Nervous, Endocrine, Respiratory, Digestive, Urinary, Reproductive

**ULO6:** Apply the knowledge of anatomy within clinical contexts.

**ULO7:** Demonstrate an awareness of the importance of showing appreciation and respect for those who have bequeathed their bodies or parts of to anatomical education.

## General Assessment Information

### Special Consideration

The University is committed to equity and fairness in all aspects of its learning and teaching. It recognises that students may experience events beyond their control that adversely affect their academic performance in assessment activities. Special Consideration applies only to *short-term, serious and unavoidable* circumstances that arise after a study period has commenced, and where specific assessment task/s have been affected. Students are expected to plan their work so that they can meet assessment deadlines at the same time as other obligations which they may have, both inside and outside the University.

**Serious and Unavoidable circumstances:** the University classifies circumstances as *serious and unavoidable* if they:

- could not have reasonably been anticipated, avoided or guarded against by the student; and
- were beyond the student's control; and
- caused substantial disruption to the student's capacity for undertaking assessment for the unit(s); and
- occurred during an event critical study period and were at least **three (3)** consecutive days duration or a total of 5 days within the teaching period and/or
- prevented completion of an assessment task scheduled for a specific date (e.g. final examination, in class test/quiz, in class presentation).

Students with a pre-existing disability/health condition or prolonged adverse circumstances may be eligible for ongoing assistance and support. Such support is governed by the Student Disability Support [Policy](#) and may be sought and coordinated through [Campus Wellbeing](#). It is recognised that students with chronic/long-term conditions may experience an acute episode of their condition, and that it may not always be possible for the University to put sufficient arrangements in place to provide a reasonable adjustment at the time of assessment. Such eventualities are covered by this policy.

***If you receive [special consideration](#) for the final exam, a supplementary exam will be scheduled in the interval between the regular exam period and the start of the next session. By making a special consideration application for the final exam you are declaring yourself available for a resit during the supplementary examination period and will not be eligible for a second special consideration approval based on pre-existing commitments. Please ensure you are familiar with the [policy](#) prior to submitting an application. You can check the supplementary exam information page on FSE101 in***

*iLearn ([bit.ly/FSESupp](https://bit.ly/FSESupp)) for dates, and approved applicants will receive an individual notification one week prior to the exam with the exact date and time of their supplementary examination.*

## Fit to Sit Model

Macquarie University operates under a 'Fit to Sit' model. This means that, in sitting an examination and/or in-class test or otherwise submitting an assessment, a student is declaring that they are fit to do so. It is the responsibility of the student to determine whether they are fit to sit an examination or test, or otherwise submit an assessment. Therefore, if a student is feeling unfit to sit the examination or test, or otherwise submit the assessment, they should not do so.

Nonetheless, a student may submit an application for Special Consideration if they can demonstrate that:

- they were unfit to make reasonable judgement on their fitness to undertake the assessment, due to mental illness or other exceptional circumstances, or
- they were taken ill during the assessment (in the case of an examination or test), and this can be independently corroborated.

In cases where a student is taken ill during an examination/class test, the student must advise the examination supervisor, who will record the case on the Examination Room Report Form.

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#">Practical Test 2</a>	20%	No	Saturday 06/11/2021
<a href="#">Final Theory Exam</a>	40%	No	University Official Exam Period
<a href="#">Practical test 1</a>	20%	No	Saturday 11/09/2021
<a href="#">Online Quizzes</a>	20%	No	Weeks 2, 4, 6, 8, 10, 12

### Practical Test 2

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

Indicative Time on Task <sup>2</sup>: 10 hours

Due: **Saturday 06/11/2021**

Weighting: **20%**

Practical test (related to models and histology slides used during the practicals and tutorials).  
Test two will cover weeks 7-12.

On successful completion you will be able to:

- Adopt and be able to use anatomical terminology: define and understand the anatomical position, anatomical planes, sections and directional terms.
- Describe different levels of structural organisation of the human body.
- Name and identify the four basic tissues and describe the major characteristics of each.
- Describe the major developmental events that occur during the embryonic and foetal periods.
- Describe the microscopic and macroscopic anatomy of all systems of the human body and explain their functions: Integumentary, Skeletal, Muscular, Cardiovascular, Lymphatic, Nervous, Endocrine, Respiratory, Digestive, Urinary, Reproductive

## Final Theory Exam

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

Indicative Time on Task <sup>2</sup>: 25 hours

Due: **University Official Exam Period**

Weighting: **40%**

This will cover the content of the entire semester. Questions will include multiple choice questions, short answer questions, short answer questions and annotate the diagram questions. The final exam covers weeks 1-13.

On successful completion you will be able to:

- Adopt and be able to use anatomical terminology: define and understand the anatomical position, anatomical planes, sections and directional terms.
- Describe different levels of structural organisation of the human body.
- Name and identify the four basic tissues and describe the major characteristics of each.
- Describe the major developmental events that occur during the embryonic and foetal periods.
- Describe the microscopic and macroscopic anatomy of all systems of the human body and explain their functions: Integumentary, Skeletal, Muscular, Cardiovascular, Lymphatic, Nervous, Endocrine, Respiratory, Digestive, Urinary, Reproductive
- Apply the knowledge of anatomy within clinical contexts.
- Demonstrate an awareness of the importance of showing appreciation and respect for those who have bequeathed their bodies or parts of to anatomical education.

## Practical test 1

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

Indicative Time on Task <sup>2</sup>: 10 hours

Due: **Saturday 11/09/2021**

Weighting: **20%**

Practical test (related to models and histology slides used during the practicals and tutorials).  
Test one will cover weeks 1-6.

On successful completion you will be able to:

- Adopt and be able to use anatomical terminology: define and understand the anatomical position, anatomical planes, sections and directional terms.
- Describe different levels of structural organisation of the human body.
- Name and identify the four basic tissues and describe the major characteristics of each.
- Describe the major developmental events that occur during the embryonic and foetal periods.
- Describe the microscopic and macroscopic anatomy of all systems of the human body and explain their functions: Integumentary, Skeletal, Muscular, Cardiovascular, Lymphatic, Nervous, Endocrine, Respiratory, Digestive, Urinary, Reproductive

## Online Quizzes

Assessment Type <sup>1</sup>: Quiz/Test

Indicative Time on Task <sup>2</sup>: 4 hours

Due: **Weeks 2, 4, 6, 8, 10, 12**

Weighting: **20%**

Six online quizzes completed fortnightly. Questions are based on the previous weeks lecture topics.

On successful completion you will be able to:

- Adopt and be able to use anatomical terminology: define and understand the anatomical position, anatomical planes, sections and directional terms.
- Describe different levels of structural organisation of the human body.
- Name and identify the four basic tissues and describe the major characteristics of each.

- Describe the major developmental events that occur during the embryonic and foetal periods.
- Describe the microscopic and macroscopic anatomy of all systems of the human body and explain their functions: Integumentary, Skeletal, Muscular, Cardiovascular, Lymphatic, Nervous, Endocrine, Respiratory, Digestive, Urinary, Reproductive
- Apply the knowledge of anatomy within clinical contexts.

<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
- the [Writing Centre](#) 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

## Delivery and Resources

**This unit involves some essential on-campus learning activities which will be delivered in accordance with a COVID Safe plan. You will be expected to attend relevant on-campus activities unless the Public Health Order and/or University advice changes.**

It will comprise:

1. One 1-hour and one 2-hour lecture per week (3-hours total), weeks 1-13. All lectures are pre-recorded and are available on iLearn. There are no face-to-face lectures.
2. Six on campus Saturday practical sessions, ranging from four to eight hours in length. Histology slides and anatomy models will be used. Two additional Saturdays will be dedicated to completing the practical exams.

Prescribed Textbook: **Introduction to the Human Body**, 11th Edition Gerard J. Tortora, Bryan H. Derrickson

## Unit Schedule

WEEK	LECTURE	ONLINE QUIZ	LOCATION
1	Terminology and Orientation		Online
26 July	Cells, Basic Tissues, Epithelium		

2	Connective Tissue	QUIZ 1	
2 August	Axial Skeleton		
	Appendicular Skeleton		
<b>Saturday August 07, 9-1pm Practical 1</b> Practical topics: cell biology, epithelium, bones, connective tissue			On campus
3	Joints		Online
09 August	Bone Tissue		
	Muscle Tissue		
4	Embryology	QUIZ 2	
16 August	Skeletal Muscles		
<b>Saturday August 21, 9-5pm Practical 2</b> Practical topics: joints, specialised connective tissues, skeletal muscles, muscle tissue			On campus
5	Skin		Online
23 August	Cardiovascular System		
6	Blood	QUIZ 3	
30 August	Revision		
<b>Saturday September 04, 9-5pm Practical 3</b> Practical topics: heart and blood vessels			On campus
7	Lymphatic System		Online
06 September	Nervous Tissue		
	Brain (Part 1)		
<b>Saturday September 11, 9-12pm</b> <b>Practical Test 1</b>			On campus
13-26 September	Mid semester break		
8	Brain (Part 2) and Cranial Nerves	QUIZ 4	Online
27 September	Spinal Cord and Spinal Nerves		
	Autonomic Nervous System		
<b>Saturday October 2, 9-5pm Practical 4</b> Practical topics: Nervous system, respiratory system			On campus



9	Endocrine System		Online
4 October	Respiratory System		
10	Digestive System 1	QUIZ 5	
11 October	Digestive System 2		
<b>Saturday October 16, 9-5pm Practical 5</b> Practical topics: digestive system, urinary system			On campus
11	Special Senses		Online
18 October	Urinary System		
12	Somatic Senses and Motor Control	QUIZ 6	
25 October	Reproductive System		
<b>Saturday October 30, 9-1pm Practical 6</b> Practical topics: urinary system and reproductive systems			On campus
13	Surface Anatomy		Online
1 November	Revision		
<b>Saturday November 6, 9-12pm</b> <b>Practical Test 2</b>			On campus

## 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](#)
- [Grade Appeal Policy](#)
- [Complaint Management 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 [ask.mq.edu.au](mailto: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 help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [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

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](mailto: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.

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Unit information based on version 2021.02 of the [Handbook](#)