



# ANAT1001

## Introduction to Anatomy

Session 1, Weekday attendance, North Ryde 2020

*Department of Chiropractic*

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## General Information

Unit convenor and teaching staff

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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 and research contexts.

## Assessment Tasks

### Coronavirus (COVID-19) Update

Assessment details are no longer provided here as a result of changes due to the Coronavirus (COVID-19) pandemic.

Students should consult [iLearn](#) for revised unit information.

[Find out more about the Coronavirus \(COVID-19\) and potential impacts on staff and students](#)

## Delivery and Resources

### Coronavirus (COVID-19) Update

Any references to on-campus delivery below may no longer be relevant due to COVID-19.

Please check here for updated delivery information: [https://ask.mq.edu.au/account/pub/display/unit\\_status](https://ask.mq.edu.au/account/pub/display/unit_status)

Delivery modes:

This unit is characterised by a moderate degree of flexibility. It incorporates a variety of learning tools and media. It will comprise:

1. 3-hours lectures per week (one 1-hour and one 2-hour lecture), weeks 1-13;
2. One 1-hour tutorial per week, weeks 1-13 (except where indicated);
3. One 2-hour laboratory practicals per week 1-13 (except where indicated).

Participation in practical classes is a hurdle requirement for this unit. It is a condition of passing the unit that students must actively participate in a minimum of 80% of the practical classes for the semester. Students are expected to present their lab manuals to their tutors at the conclusion of the weekly practical class and will be marked on the completion of the activities. If you do not meet the participation requirement, regardless of your accumulative marks, you will be unable to receive a passing grade for this unit.

Students must attend the classes (tutorials and lab practical's) in which they enrolled. They may not exchange their class time. In special circumstances, students may apply (with the appropriate documentation) in writing to the unit convener, for requests regarding changes. These requests are to be submitted to the scientific officer.

Class times and locations

## Lectures

Monday 8.00-9.00 Macquarie Theatre, 21 Wally's Walk (W2.4A)

Tuesday 8.00-10.00 Macquarie Theatre, 21 Wally's Walk (W2.4A)

## Tutorials

Take one of the identical 1-hour tutorials below at Monday, Tuesday or Wednesday.

NB: The tutorials take place simultaneously in various campus venues and the number of students that can register for each is limited.

Monday: 9.00-10.00, 10.00-11.00, 11.00-12.00, 12.00-13.00, 14.00-15.00, 15.00-16.00,

Tuesday: 10.00-11.00, 11.00-12.00, 12.00-13.00, 14.00-15.00, 15.00-16.00

Wednesday: 9.00-10.00, 10.00-11.00, 11.00-12.00, 12.00-13.00

## Laboratory practicals

Take one of the 2-hour practicals below.

NB: The number of students that can register for each is limited.

Wednesday: 8:00-10:00. 10:00-12:00, 12:00-14:00, 14:00-16:00, 16:00-18:00 (11 Wally's Walk, Rm 340 and 350)

Thursday 8:00-10:00. 10:00-12:00, 12:00-14:00, 14:00-16:00 (11 Wally's Walk, Rm 340 and 350)

Friday 8:00-10:00. 10:00-12:00, 12:00-14:00 (11 Wally's Walk, Rm 340 and 350)

**Note: All classes have been checked on Timetables MQ on 21/01/2020. For most up to date timetable changes, please check <https://timetables.mq.edu.au/2020/>.**

## Required and recommended resources

### Core:

Tortora GJ and Derrickson B. 2015. Introduction to the Human Body. 10th ed. Wiley.

ANAT1001 Introduction to Anatomy Laboratory Manual - available at Co-op Shop bookshop.

### Alternative textbook:

Tortora GJ and Nielsen MT. 2014. Principles of Human Anatomy. 13th ed. Wiley.

Recommended:

More detailed anatomy textbooks:

Drake RL, Vogl AW and Mitchell AWM. 2015. Gray's Anatomy for Students. 3rd ed. Elsevier.

Moore KL and Dalley AF. 2014. Clinically Oriented Anatomy 7th ed. Lippincott Williams & Wilkins.

Page BreakAtlases:

Abrahams PH, Spratt JD, Loukas M, van Schoor AN. 2013. McMinn's Clinical Atlas of Human Anatomy. 6th ed. Mosby/Saunders Elsevier.

Histology:

Mescher AL. 2013. Junqueira's Basic Histology. 13th ed. McGraw Hill.

## Unit Schedule

### Coronavirus (COVID-19) Update

The unit schedule/topics and any references to on-campus delivery below may no longer be relevant due to COVID-19. Please consult [iLearn](#) for latest details, and check here for updated delivery information: [https://ask.mq.edu.au/account/pub/display/unit\\_status](https://ask.mq.edu.au/account/pub/display/unit_status)

WEEK	LECTURE (Monday)	LECTURE (Tuesday)	Tutorial (Mon/Tues/Wed)	Practical (Wed/Thurs/Fri)		ONLINE QUIZ
				Gross Anatomy	Histology	
1	Introduction Terminology and orientation	Cells Basic tissue Epithelium	NO TUTORIALS	Cell Biology	Epithelium	

2	Connective tissue	Axial and appendicular skeleton	Terminology & Orientation ( <b>WORKSHEET</b> ) Cell biology & connective tissue	Bones	Connective Tissue	<b>QUIZ 1</b>
3	Joints	Bone tissue Muscle tissue	Bones & Joints	Joints	Specialised Connective Tissue	..
4	Embryology	Skeletal muscles	<b>ONLINE TUTORIAL [no class]</b> - Embryology	Skeletal Muscles	Muscle Tissue	<b>QUIZ 2</b>
5	Skin	Cardiovascular system	Muscles & Skin	Heart & Blood Vessels	Heart & Blood Vessels	
6	Blood	<b>REVISION</b>	<b>NO TUTORIAL</b>	<b>Practical Test 1</b>		<b>QUIZ 3</b>
7	Lymphatics	Nervous System (pt 1)..	<b>ONLINE TUTORIAL [no class]</b> - Blood Blood Vessels Lymphatics	<b>No Practical</b>	<b>No Practical</b>	
<b>Session 1 Recess</b>						
8	Nervous System (pt 2)	Nervous System (pt 3)	Nervous System	Nervous System	Nervous System	<b>QUIZ 4</b>
9	Endocrine system	Respiratory system	Endocrine system	Respiratory System	Respiratory System	
10	Digestive system 1	Digestive system 2	Respiratory System	Digestive System	Digestive System - GIT	<b>QUIZ 5</b>
11	Special senses	Urinary system	Digestive System	Urinary System	Digestive System – Accessory Viscera	
12	Somatic senses and motor control	Reproductive system	Urinary and Reproductive Systems	Reproductive System	Urinary and Reproductive Systems	<b>QUIZ 6</b>
13	Surface anatomy	<b>REVISION</b>	<b>ONLINE TUTORIAL [no class]</b> - Special Senses	<b>Practical Test 2</b>		

## 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.*)

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 \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central).

## 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](https://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](https://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](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.

## Changes from Previous Offering

Code change from HLTH108 to ANAT1001.

## Changes since First Published

Date	Description
15/02/2020	All ULO mapped