



# MEDI838

## Anatomy 3

SM11 2015

*Human Sciences Faculty level units*

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#### **Disclaimer**

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## General Information

Unit convenor and teaching staff

Unit Convenor

Mirjana Strkalj

[mirjana.strkalj@mq.edu.au](mailto:mirjana.strkalj@mq.edu.au)

Credit points

4

Prerequisites

Admission to GradDipAnatomy and MEDI836 and MEDI837

Corequisites

Co-badged status

Unit description

Anatomy 3 will consist of a 16 day intensive period of dissections to be held in Faculty of Medicine and Health Sciences' (FMHS) laboratory facilities. During this period anatomy lecturers will lead a series of dissections, each focusing on the areas of the body studied in anatomy units 1 and 2. FMHSs affiliated surgical professors will also present their own specialist areas during this period. Formative assessment will consist of spot tests and individual presentations to the group. A practical test with a short answer written component will form the summative assessment.

## 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:

Competently perform a range of dissections of anatomical structures

Apply an advanced knowledge of the anatomy of the human body to its clinical application

Effectively articulate the differences in anatomical features to inform and justify clinical decisions

## Assessment Tasks

Name	Weighting	Due
<u>Spot tests</u>	30%	Throughout Session
<u>Individual Presentation</u>	10%	Date TBA via iLearn
<u>Final Practical Exam</u>	60%	Date TBA via iLearn

### Spot tests

Due: **Throughout Session**

Weighting: **30%**

Identify anatomical structures on dissected specimens.

On successful completion you will be able to:

- Apply an advanced knowledge of the anatomy of the human body to its clinical application
- Effectively articulate the differences in anatomical features to inform and justify clinical decisions

### Individual Presentation

Due: **Date TBA via iLearn**

Weighting: **10%**

You will be given a topic to present to fellow scholars and facilitators during the intensive element of the course. You should present the major anatomical structures to be dissected on a day. The emphasis should be on the relationship of these anatomical structures to the surrounding structures, surface anatomy and application to medical images.

On successful completion you will be able to:

- Competently perform a range of dissections of anatomical structures
- Apply an advanced knowledge of the anatomy of the human body to its clinical application
- Effectively articulate the differences in anatomical features to inform and justify clinical decisions

### Final Practical Exam

Due: **Date TBA via iLearn**

Weighting: **60%**

You will carry out a whole body dissection following the Cunningham's Dissection Manuals.

On successful completion you will be able to:

- Competently perform a range of dissections of anatomical structures
- Apply an advanced knowledge of the anatomy of the human body to its clinical application
- Effectively articulate the differences in anatomical features to inform and justify clinical decisions

## Delivery and Resources

This unit is delivered in a 16 day intense block in the Dissecting Laboratory, Australian School of Advanced Medicine, Ground Floor F10A, Macquarie University.

### Daily Schedule:

Time	Activity
8:30am	Dissection briefing Presentation by one of the scholars
9:00am - 12:30pm	Dissecting as per unit schedule
12:30pm - 1:00pm	Lunch break
1:00pm - 1:30pm	Meet the expert (short surgical anatomy lecture, radiology lecture or simulation demonstration depending on the region of the body dissected)
1:30pm - 3:30pm	Dissecting as per unit schedule
3:45pm	Spot tests as per unit schedule

## Unit Schedule

Day	Region	Topics	Reference Text
1	Back & Upper Limb	Pectoral region, axilla	Cunningham 1: 20-34
2		Back, Shoulder joint, Arm,	Cunningham 1: 35-73
3		Forearm and hand, Joints of the upper limb	Cunningham 1: 73-123
		<b>Spot test: 'Anatomy of the back and upper limb'</b>	--
4	Thoracic Wall & Viscera	Thoracic wall and cavity	Cunningham 2: 1-39

		Joints of the thorax	Cunningham 2: 77-82
		Lungs	Cunningham 2: 30-39
5		Middle and posterior mediastinum and posterior thoracic wall Heart	Cunningham 2: 39-77
		<b>Spot test: 'Anatomy of the thoracic wall and viscera'</b>	--
6	Head & Neck	Skull, scalp, face, temporal fossa, side of neck, anterior triangle	Cunningham 3: 1-43
		Cranial cavity, cranial fossae	Cunningham 3: 43-64
7		The brain, meninges, blood vessels, base of the brain	Cunningham 3:211-249
8		The parotid region, temporal and infratemporal region, submandibular,	Cunningham 3: 115-135
		Mouth and pharynx	Cunningham 3: 135- 149
		Larynx	Cunningham 3:157-166
9		Deep dissection, neck, thyroid, parathyroid, major vessels and nerves	Cunningham 3: 64-86
		Deep dissection neck, prevertebral region	Cunningham 3: 86-95
		<b>Spot test: 'Anatomy of the head and neck'</b>	--
10	Abdomen	Anterior abdominal wall, inguinal region, male external genitalia, abdominal cavity	Cunningham 2:91-124
11		Lesser omentum, spleen, coeliac trunk, stomach, mesentery, small bowel, large bowel and duodenum, portal vein, pancreas	Cunningham 2:125-155
12		Liver, coeliac plexus, kidneys and suprarenals, diaphragm, posterior abdominal wall	Cunningham 2:155-186
		Osteology & ligaments of lesser pelvis	Cunningham 2:187-196
13	Pelvis	Pelvic viscera, muscles, vessels and nerves of lesser pelvis,	Cunningham 2:211-238
		<b>Spot test: 'Anatomy of the abdominal and pelvic walls and viscera'</b>	--
14	Lower Limb	Hip, front of thigh, deep dissect front of thigh, femoral triangle, adductor canal	Cunningham 1:123-150
15		Gluteal region, popliteal fossa, back of thigh, hip joint, osteology of leg and foot	Cunningham 1:151-181
16		Front of leg, dorsum of foot, lateral side of leg, sole of foot, joints of lower limb	Cunningham 1:181-234

This unit is for SM3 delivery. Dates will become available via iLearn.

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](#). Students should be aware of the following policies in particular with regard to Learning and Teaching:

Academic Honesty Policy [http://mq.edu.au/policy/docs/academic\\_honesty/policy.html](http://mq.edu.au/policy/docs/academic_honesty/policy.html)

Assessment Policy <http://mq.edu.au/policy/docs/assessment/policy.html>

Grading Policy <http://mq.edu.au/policy/docs/grading/policy.html>

Grade Appeal Policy <http://mq.edu.au/policy/docs/gradeappeal/policy.html>

Grievance Management Policy [http://mq.edu.au/policy/docs/grievance\\_management/policy.html](http://mq.edu.au/policy/docs/grievance_management/policy.html)

Disruption to Studies Policy [http://www.mq.edu.au/policy/docs/disruption\\_studies/policy.html](http://www.mq.edu.au/policy/docs/disruption_studies/policy.html) *The Disruption to Studies Policy is effective from March 3 2014 and replaces the Special Consideration Policy.*

In addition, a number of other policies can be found in the [Learning and Teaching Category](#) of 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/support/student\\_conduct/](https://students.mq.edu.au/support/student_conduct/)

## Results

Results shown in *iLearn*, 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).

## 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)

## IT Help

For help with University computer systems and technology, visit <http://informatics.mq.edu.au/help/>.

When using the University's IT, you must adhere to the [Acceptable Use 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

- Competently perform a range of dissections of anatomical structures
- Apply an advanced knowledge of the anatomy of the human body to its clinical application
- Effectively articulate the differences in anatomical features to inform and justify clinical decisions

#### Assessment tasks

- Spot tests
- Individual Presentation
- Final Practical Exam

### 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

- Competently perform a range of dissections of anatomical structures
- Apply an advanced knowledge of the anatomy of the human body to its clinical application
- Effectively articulate the differences in anatomical features to inform and justify clinical decisions

## Assessment tasks

- Spot tests
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- Final Practical Exam

## 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

- Competently perform a range of dissections of anatomical structures
- Apply an advanced knowledge of the anatomy of the human body to its clinical application
- Effectively articulate the differences in anatomical features to inform and justify clinical decisions

## Assessment tasks

- Spot tests
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- Final Practical Exam

## 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

- Competently perform a range of dissections of anatomical structures
- Apply an advanced knowledge of the anatomy of the human body to its clinical application
- Effectively articulate the differences in anatomical features to inform and justify clinical decisions

## Assessment tasks

- Spot tests
- Individual Presentation
- Final Practical Exam

## 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

- Competently perform a range of dissections of anatomical structures
- Apply an advanced knowledge of the anatomy of the human body to its clinical application
- Effectively articulate the differences in anatomical features to inform and justify clinical decisions

## Assessment tasks

- Spot tests
- Individual Presentation
- Final Practical Exam

## 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

- Competently perform a range of dissections of anatomical structures
- Apply an advanced knowledge of the anatomy of the human body to its clinical application
- Effectively articulate the differences in anatomical features to inform and justify clinical decisions

## Assessment tasks

- Spot tests
- Individual Presentation
- Final Practical Exam