



# MEDI836

## Anatomy 1

SM3 Online 2019

*Medicine and Health Sciences Faculty level units*

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## General Information

Unit convenor and teaching staff

Unit Convenor

Mirjana Strkalj

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Credit points

4

Prerequisites

Admission to GradDipAnatomy

Corequisites

Co-badged status

Unit description

This is the first of two on line units that build upon the basic anatomy taught in undergraduate medical programs. The gross anatomy of the human body is revised with an emphasis on clinically oriented and applied anatomy through full body dissection. Discussion of relevant embryology is also included. The unit is delivered via the university iLearn platform and activities are set for students to complete, with follow up quizzes that allow formative self assessment. Topic areas covered include; the anatomy of the head and neck, back, upper and lower limbs. Anatomy 1 is designed to prepare students for the level of anatomical knowledge required for the intensive whole body dissection unit Anatomy 3.

## 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:

Describe the anatomical components of the back, upper limbs, lower limbs, head and neck and their nerve and blood supply

Apply your knowledge of the anatomy of the back, upper and lower limbs, head and neck to surface anatomy and medical images

Discuss the structure and function of the joints of the back, upper and lower limbs, head and neck to movement and stability

Apply your anatomical knowledge of the back, upper and lower limbs, head and neck to

discuss diagnostics and clinical application

## General Assessment Information

You must complete all three components of the assessment tasks in order to pass this unit.

### Penalties for late submissions

Late submissions will be penalised unless special consideration is granted by the unit convenor. The penalty is 10% per day or part thereof.

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

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#"><u>Online quizzes</u></a>	40%	No	Throughout Session
<a href="#"><u>Spot test</u></a>	0%	No	Week 12
<a href="#"><u>Annotated drawings report</u></a>	60%	No	Date TBA via iLearn

### Online quizzes

Due: **Throughout Session**

Weighting: **40%**

Short answer and multiple choice questions.

On successful completion you will be able to:

- Describe the anatomical components of the back, upper limbs, lower limbs, head and neck and their nerve and blood supply
- Apply your knowledge of the anatomy of the back, upper and lower limbs, head and neck to surface anatomy and medical images
- Discuss the structure and function of the joints of the back, upper and lower limbs, head and neck to movement and stability
- Apply your anatomical knowledge of the back, upper and lower limbs, head and neck to discuss diagnostics and clinical application

### Spot test

Due: **Week 12**

Weighting: **0%**

Online practical spot test

On successful completion you will be able to:

- Describe the anatomical components of the back, upper limbs, lower limbs, head and neck and their nerve and blood supply
- Apply your knowledge of the anatomy of the back, upper and lower limbs, head and neck to surface anatomy and medical images
- Discuss the structure and function of the joints of the back, upper and lower limbs, head and neck to movement and stability
- Apply your anatomical knowledge of the back, upper and lower limbs, head and neck to discuss diagnostics and clinical application

## Annotated drawings report

Due: **Date TBA via iLearn**

Weighting: **60%**

Produce annotated drawings of anatomical structures.

On successful completion you will be able to:

- Describe the anatomical components of the back, upper limbs, lower limbs, head and neck and their nerve and blood supply
- Apply your knowledge of the anatomy of the back, upper and lower limbs, head and neck to surface anatomy and medical images
- Discuss the structure and function of the joints of the back, upper and lower limbs, head and neck to movement and stability
- Apply your anatomical knowledge of the back, upper and lower limbs, head and neck to discuss diagnostics and clinical application

## Delivery and Resources

You will build up your anatomical competencies around several key learning outcomes within this online unit.

Use materials and resources provided on iLearn, access third party online information and read relevant chapters in prescribed books. To facilitate this process, online quizzes and embedded questions are used as a tool for self-evaluation and self-direction throughout.

### **Recommended books and resources:**

McMinn RMH **Last's Anatomy Regional and Applied**. 9th Edition. Churchill Livingstone Elsevier

Detton AJ (2017). **Grant's Dissector**, 16<sup>th</sup> Edition. Walters Kluwer / or

Romanes GJ (1986). **Cunningham's Manual of Practical Anatomy**. Vols 1-3, 15th Edition.

Oxford Medical Publications

Rohen JW, Yokochi C & Luthen-Drecoll E (2006). **Color Atlas of Anatomy: A Photographic Study of the Human Body**. 6th Edition. Lippincott Williams & Wilkins, Philadelphia

Moore KL, Persaud PVT, Torchia MG (2011). **The Developing Human: Clinically Oriented Embryology**. 6th Edition. Saunders.

Online Resources: **Anatomy.TV**

## Unit Schedule

Week	Region	Topic
1	Back	Bones, Ligaments and Muscles of the Back
2	Upper Limb	Shoulder and Arm
3		Elbow and Forearm
4		Wrist and Hand + Summary of the Upper Limb
5		<i>Review of the Back and Upper Limb</i>
6	Lower Limb	Hip and Thigh
7		Knee Joint
8		Leg, Ankle Joint and Foot
9		<i>Review of the Lower Limb</i>
10	Head and Neck	Bones and Muscles of the Head and Neck
11		Nose, Paranasal Sinuses, Pharynx and Larynx
12		Neuro-vascular and Lymphatic Features of the Head and Neck
13		<i>Review of the Head and Neck</i>

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

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

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.

## Graduate Capabilities

### 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

- Describe the anatomical components of the back, upper limbs, lower limbs, head and neck and their nerve and blood supply
- Apply your knowledge of the anatomy of the back, upper and lower limbs, head and neck to surface anatomy and medical images
- Discuss the structure and function of the joints of the back, upper and lower limbs, head and neck to movement and stability
- Apply your anatomical knowledge of the back, upper and lower limbs, head and neck to discuss diagnostics and clinical application

#### Assessment tasks

- Online quizzes
- Spot test
- Annotated drawings report

### 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

- Describe the anatomical components of the back, upper limbs, lower limbs, head and neck and their nerve and blood supply
- Apply your knowledge of the anatomy of the back, upper and lower limbs, head and neck to surface anatomy and medical images
- Discuss the structure and function of the joints of the back, upper and lower limbs, head and neck to movement and stability
- Apply your anatomical knowledge of the back, upper and lower limbs, head and neck to discuss diagnostics and clinical application

## Assessment tasks

- Online quizzes
- Spot test
- Annotated drawings report

## 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

- Describe the anatomical components of the back, upper limbs, lower limbs, head and neck and their nerve and blood supply
- Apply your knowledge of the anatomy of the back, upper and lower limbs, head and neck to surface anatomy and medical images
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## Assessment tasks

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