



MEDI837

Anatomy 2

SM7 Online 2018

Medicine and Health Sciences Faculty level units

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General Information

Unit convenor and teaching staff

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Credit points

4

Prerequisites

Admission to GradDipAnatomy

Corequisites

Co-badged status

Unit description

This is the second 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 central nervous system, thorax, abdomen and pelvis. Anatomy 2 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 structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.

Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.

Apply knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk to discuss diagnostics and clinical application.

Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to the

components of the nervous system and predict outcomes after injury.

General Assessment Information

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

If you are unable to submit an assessment task by the due date you should apply for special consideration via ask.mq.

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

Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Online quizzes</u>	40%	No	Throughout Session
<u>Spot test</u>	0%	No	Week 11
<u>Annotated drawings report</u>	60%	No	TBA via iLearn

Online quizzes

Due: **Throughout Session**

Weighting: **40%**

Short answers, MCQs, problem solving questions

On successful completion you will be able to:

- Describe the structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
- Apply knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk to discuss diagnostics and clinical application.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to the components of the nervous system and predict outcomes after injury.

Spot test

Due: **Week 11**

Weighting: **0%**

Identification of the anatomical structures, MCQ, matching questions

On successful completion you will be able to:

- Describe the structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
- Apply knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk to discuss diagnostics and clinical application.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to the components of the nervous system and predict outcomes after injury.

Annotated drawings report

Due: **TBA via iLearn**

Weighting: **60%**

Six annotated drawings of the regions of the body studied in this unit

On successful completion you will be able to:

- Describe the structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
- Apply knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk to discuss diagnostics and clinical application.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to the components of the nervous system and predict outcomes after injury.

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**, 16th 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

W/K Beg.	Week	Topic Area
30/07/18	1	The brain, brainstem and cerebellum
06/08/18	2	Cranial nerves and spinal cord
13/08/18	3	Vascular system of the brain
20/08/18	4	Review Period 1
03/09/18	5	The Thoracic Wall and Cavity & Lungs
10/09/18	6	Mediastinum and its content
17/09/18	7	Review Period 2
24/09/18	8	Abdominal Wall & Peritoneal Cavity
01/10/18	9	Abdominal Viscera
08/10/18	10	Liver and biliary system, pancreas
15/10/18	11	Review Period 3
22/10/18	12	Pelvis and perineum
29/10/18	13	Urinary and reproductive systems

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 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.

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) 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

IT Help

For help with University computer systems and technology, visit 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 structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
- Apply knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk to discuss diagnostics and clinical application.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to the components of the nervous system and predict outcomes after injury.

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 structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
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Assessment tasks

- Online quizzes
- Spot test
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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 structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
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Assessment tasks

- Online quizzes
- Spot test
- Annotated drawings report

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

- Describe the structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
- Apply knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk to discuss diagnostics and clinical application.
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Assessment tasks

- Online quizzes
- Spot test
- Annotated drawings report

Changes from Previous Offering

The summative online spot test in previous iterations has been restructured to a formative online task. Students are required to complete this formative task to be eligible to enroll in MEDI837 Anatomy 2 unit.

The final mark for the assessment task: Annotated drawing report has been increased from 50% to 60%.