



MEDI837

Anatomy 2

SM7 Online 2016

Department of Biomedical Sciences

Contents

<u>General Information</u>	2
<u>Learning Outcomes</u>	2
<u>General Assessment Information</u>	3
<u>Assessment Tasks</u>	3
<u>Delivery and Resources</u>	5
<u>Unit Schedule</u>	5
<u>Policies and Procedures</u>	6
<u>Graduate Capabilities</u>	7

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.

General Information

Unit convenor and teaching staff

Unit Convenor

Mirjana Strkalj

mirjana.strkalj@mq.edu.au

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 interpret radiographic, CT and MRI images.

Integrate knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk in order to accurately and systematically describe their surface projections and application to clinical practice.

Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to each of the component of the nervous system and predict outcomes after injury.

General Assessment Information

It is required that students complete all assessment tasks to be eligible to enroll in MEDI838, Anatomy 3 intensive unit.

Assessment task 1

Online quizzes are designed to help students chart their own progress. The students are required to complete 80% of online activities to be awarded 40% of the final mark for this unit.

Assessment task 2

For this task students must complete online spot tests style assessment, where they will be asked to identify anatomical structure, give its nerve or blood supply. The assessment will be posted on iLearn in week 11.

Assessment task 3

For this assessment task students have to provide five annotated drawings of the regions of the body studied in this unit. All annotated drawings must be submitted by week 12.

Assessment Tasks

Name	Weighting	Due
<u>Online quizzes</u>	40%	Throughout Session
<u>Spot tests</u>	10%	week 11
<u>Annotated drawings report</u>	50%	Date TBA via iLearn

Online quizzes

Due: **Throughout Session**

Weighting: **40%**

Short answers, multiple choice questions, 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 interpret radiographic, CT and MRI images.
- Integrate knowledge of the anatomy and anatomical relationships of the structures of the

head neck and trunk in order to accurately and systematically describe their surface projections and application to clinical practice.

- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to each of the component of the nervous system and predict outcomes after injury.

Spot tests

Due: **week 11**

Weighting: **10%**

Identification of the anatomical structures, MCQs, 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 interpret radiographic, CT and MRI images.
- Integrate knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk in order to accurately and systematically describe their surface projections and application to clinical practice.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to each of the component of the nervous system and predict outcomes after injury.

Annotated drawings report

Due: **Date TBA via iLearn**

Weighting: **50%**

Five 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 interpret radiographic, CT and MRI images.
- Integrate knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk in order to accurately and systematically describe their surface projections and application to clinical practice.

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

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
08/08/16	1	The brain, brainstem and cerebellum
15/08/16	2	Cranial nerves and spinal cord
22/08/16	3	Vascular system of the brain
29/08/16	4	Review Period 1
06/09/16	5	The Thoracic Wall and Cavity & Lungs
12/09/16	6	Mediastinum and its content

26/09/16	7	Review Period 2
03/10/16	8	Abdominal Wall & Peritoneal Cavity
10/10/16	9	Abdominal Viscera
17/10/16	10	Liver and biliary system, pancreas
24/10/16	11	Review Period 3
31/10/16	12	Pelvis and perineum
07/11/16	13	Urinary and reproductive systems

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

New Assessment Policy in effect from Session 2 2016 http://mq.edu.au/policy/docs/assessment/policy_2016.html. For more information visit http://students.mq.edu.au/events/2016/07/19/new_assessment_policy_in_place_from_session_2/

Assessment Policy prior to Session 2 2016 <http://mq.edu.au/policy/docs/assessment/policy.html>

Grading Policy prior to Session 2 2016 <http://mq.edu.au/policy/docs/grading/policy.html>

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

Complaint Management Procedure for Students and Members of the Public http://www.mq.edu.au/policy/docs/complaint_management/procedure.html

Disruption to Studies Policy 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/

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.m](#)

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 interpret radiographic, CT and MRI images.

- Integrate knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk in order to accurately and systematically describe their surface projections and application to clinical practice.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to each of the component of the nervous system and predict outcomes after injury.

Assessment tasks

- Online quizzes
- Spot tests
- 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 interpret radiographic, CT and MRI images.
- Integrate knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk in order to accurately and systematically describe their surface projections and application to clinical practice.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to each of the component of the nervous system and predict outcomes after injury.

Assessment tasks

- Online quizzes
- Spot tests
- 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 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 interpret radiographic, CT and MRI images.
- Integrate knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk in order to accurately and systematically describe their surface projections and application to clinical practice.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to each of the component of the nervous system and predict outcomes after injury.

Assessment tasks

- Online quizzes
- Spot tests
- Annotated drawings report