



ANAT2003

Anatomy of Head, Neck and Trunk

Session 1, Weekday attendance, North Ryde 2021

Department of Chiropractic

Contents

<u>General Information</u>	2
<u>Learning Outcomes</u>	3
<u>General Assessment Information</u>	3
<u>Assessment Tasks</u>	4
<u>Delivery and Resources</u>	7
<u>Unit Schedule</u>	8
<u>Policies and Procedures</u>	8
<u>Changes from Previous Offering</u>	10

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Notice

As part of [Phase 3 of our return to campus plan](#), most units will now run tutorials, seminars and other small group activities on campus, and most will keep an online version available to those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face activities for your unit, please go to [timetable viewer](#). To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.

General Information

Unit convenor and teaching staff

Unit Convenor

Irina Dedova

irina.dedova@mq.edu.au

Contact via irina.dedova@mq.edu.au

Room 351, 17 Wally's Walk, Macquarie University
by appointment and as announced in iLearn

Senior Lecturer (Embryology component of the unit)

Mirjana Strkalj

mirjana.strkalj@mq.edu.au

Contact via mirjana.strkalj@mq.edu.au

please contact Dr. Irina Dedova

Rosemary Giuriato

rosemary.giuriato@mq.edu.au

Credit points

10

Prerequisites

HLTH108 or ANAT1001

Corequisites

Co-badged status

Unit description

This unit builds on the basic anatomy taught in ANAT1001 (previously HLTH108). The regional anatomy of the head, neck and trunk is examined in detail. The unit utilises an integrated approach within which relevant gross anatomy, histology and embryology are studied. It is clinically oriented and focuses on surface and applied anatomy. The unit includes a significant practical component in which human remains, models, medical images, surface anatomy and clinical cases are studied. Students are expected to show an appreciation and respect for those who have bequeathed their bodies to science.

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: Demonstrate a comprehensive understanding of the anatomy of the head, neck and trunk.

ULO2: Describe and identify the structure and function of the bones, joints, muscles, venous and lymphatic drainage as well as nerve and bloody supply of the head, neck, and trunk.

ULO3: Contextualise embryological development and age-related changes which occur in the structure and function of the head, neck and trunk.

ULO4: Articulate anatomical knowledge of the head, neck and trunk as well as critical thinking to thoroughly evaluate theoretical clinical case studies.

ULO5: Apply anatomical knowledge and terminology to assess, interpret and explain radiographic, MRI and CT images of the head, neck and trunk.

ULO6: Communicate and demonstrate an appreciation for and respect of people who choose to bequeath their body for research or teaching purposes.

General Assessment Information

Online Quizzes

These Quizzes will be conducted online in weeks 2-5 and 9-11, total of seven quizzes. Each Quiz typically consists of around 10 questions (multiple choice, matching, T&F) on the theory of current weeks, and you will be given around 12 mins to complete each quiz. You will only be allowed one attempt at each question and one attempt for the whole quiz. The Quiz will become available on the Friday evening of the allocated week (e.g. Quiz 1 opens on Fri of Week 2) and will stay open for one week for you to complete in your own time (i.e. Quiz 1 will close on Fri of Week 3, at 5pm). Late attempts will not be accepted. Feedback will be provided once the quiz has closed (i.e. for Quiz 1 feedback will be given in Week 3). The best five marks out of seven marks for quizzes will be counted towards the 20% of the final mark for the unit. The schedule of quizzes and their topics can be found on iLearn.

Practical Examinations

Practical examinations, the Spot Test 1 in Week 7 and Sport Test 2 in Week 13, focus on practical identifications of anatomical structures. Therefore, typically these tests are held in the usual scheduled practical laboratory classes (i.e. in the wet laboratory). Students will be warned of any changes in the timetable or location of these tests. Each spot test assesses students' ability to identify correctly anatomical structures on human remains, bones, models, medical images, and surface anatomy photographs. Typically, there are around 20 stations with several identifications in each. Some relevant theoretical questions may also be included. The scope of Spot Test 1 is on the practical knowledge achieved during the first six weeks of the semester (week 1 throughout to week 6, inclusive), and Spot Test 2 examines the practical knowledge

relevant to weeks 7 throughout to week 13. The value of Spot Test 1 is 15% and of Spot Test 2 - 20% towards the final mark for the unit.

Students must attend the class they are enrolled in, unless permission has been granted by the Campus Well Being and Disability Services. Students with a pre-existing disability/health condition or prolonged adverse circumstances may be eligible for ongoing assistance and support. Such support is governed by other policies and may be sought and coordinated through Campus Wellbeing and Support Services. If a practical exam is missed a supplementary exam will only be considered under the Special Consideration policy (<https://students.mq.edu.au/study/my-study-program/special-consideration>). Applications for special consideration should be submitted online within 5 days of the missed assessment (see: www.ask.mq.edu.au).

Final Theory Examination

This examination is held during the formal examination period, at the end of the semester. Its value is 45% towards the final mark. The examination is based on the entire content studied throughout the term covering gross anatomy of the head, neck and trunk. The format of this paper comprises multiple choice and short answer questions, including clinical cases and problem-solving. A typical structure of the examination paper includes around 60-70 multiple choice questions (answers to be filled in the automated marking sheets) and several (e.g. three) short answer questions (answers to be written in the answer booklet provided). The content of this examination is aligned with the learning outcomes for the unit and all the learning and teaching activities that students participate in throughout the semester. The confidence in the knowledge and the examination skills will be built consistently throughout participation in weekly quizzes (multiple choice questions) and tutorial discussions (problem solving and clinical cases). There will be no identification tasks in the final theory examination. Special Consideration procedures are as described above.

Assessment Tasks

Name	Weighting	Hurdle	Due
Online Quizzes	20%	No	Week 2-5, 9-11
Practical Exam 1	15%	No	Week 7
Practical Exam 2	20%	No	Week 13
Final Theory Exam	45%	No	Examination period

Online Quizzes

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 10 hours

Due: **Week 2-5, 9-11**

Weighting: **20%**

Seven online quizzes throughout the semester testing acquired theory knowledge.

On successful completion you will be able to:

- Demonstrate a comprehensive understanding of the anatomy of the head, neck and trunk.
- Describe and identify the structure and function of the bones, joints, muscles, venous and lymphatic drainage as well as nerve and bloody supply of the head, neck, and trunk.
- Contextualise embryological development and age-related changes which occur in the structure and function of the head, neck and trunk.
- Articulate anatomical knowledge of the head, neck and trunk as well as critical thinking to thoroughly evaluate theoretical clinical case studies.

Practical Exam 1

Assessment Type ¹: Examination

Indicative Time on Task ²: 15 hours

Due: **Week 7**

Weighting: **15%**

Spot test in the anatomy laboratory focusing on trunk anatomy; utilising human remains, bones, x-rays, and surface anatomy photographs. This assessment assess identification of anatomical structures as well as some theoretical knowledge.

On successful completion you will be able to:

- Demonstrate a comprehensive understanding of the anatomy of the head, neck and trunk.
- Describe and identify the structure and function of the bones, joints, muscles, venous and lymphatic drainage as well as nerve and bloody supply of the head, neck, and trunk.
- Articulate anatomical knowledge of the head, neck and trunk as well as critical thinking to thoroughly evaluate theoretical clinical case studies.
- Apply anatomical knowledge and terminology to assess, interpret and explain radiographic, MRI and CT images of the head, neck and trunk.
- Communicate and demonstrate an appreciation for and respect of people who choose to bequeath their body for research or teaching purposes.

Practical Exam 2

Assessment Type ¹: Examination

Indicative Time on Task ²: 15 hours

Due: **Week 13**

Weighting: **20%**

Spot test in the anatomy laboratory focusing on head and neck anatomy; utilising human remains, bones, x-rays, and surface anatomy photographs. This assessment assess identification of anatomical structures as well as some theoretical knowledge.

On successful completion you will be able to:

- Demonstrate a comprehensive understanding of the anatomy of the head, neck and trunk.
- Describe and identify the structure and function of the bones, joints, muscles, venous and lymphatic drainage as well as nerve and bloody supply of the head, neck, and trunk.
- Articulate anatomical knowledge of the head, neck and trunk as well as critical thinking to thoroughly evaluate theoretical clinical case studies.
- Apply anatomical knowledge and terminology to assess, interpret and explain radiographic, MRI and CT images of the head, neck and trunk.
- Communicate and demonstrate an appreciation for and respect of people who choose to bequeath their body for research or teaching purposes.

Final Theory Exam

Assessment Type ¹: Examination

Indicative Time on Task ²: 23 hours

Due: **Examination period**

Weighting: **45%**

Theory exam covering head, neck and trunk anatomy. The format includes multiple choice and short answer questions, and includes clinical cases.

On successful completion you will be able to:

- Demonstrate a comprehensive understanding of the anatomy of the head, neck and trunk.

- Describe and identify the structure and function of the bones, joints, muscles, venous and lymphatic drainage as well as nerve and bloody supply of the head, neck, and trunk.
 - Contextualise embryological development and age-related changes which occur in the structure and function of the head, neck and trunk.
 - Articulate anatomical knowledge of the head, neck and trunk as well as critical thinking to thoroughly evaluate theoretical clinical case studies.
 - Apply anatomical knowledge and terminology to assess, interpret and explain radiographic, MRI and CT images of the head, neck and trunk.
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¹ If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the [Writing Centre](#) for academic skills support.

² Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

Delivery and Resources

1. Unit Schedule

A typical weekly schedule includes:

- three 1-hour lectures (see timetable); lectures are delivered synchronously in real time via the Zoom platform; link will be provided in iLearn; students need to download Zoom software; lectures will be recorded
- one 2-hour laboratory; this includes (a) 30min video demonstrations via Acland's Video Atlas software (available via MQU Library; this can be done any time before the lab) and (b) face-to-face 1.5h laboratory class as per enrolment; a pdf file of ANAT2003 Unit Manual will be available via iLearn
- one 1-hour tutorial class as per enrolment; tutorial notes are included in the Unit Manual
- independent work (at least 4 hours); this include tasks outlined in the Unit Manual (online activities including revision, 'check your understanding' online tutorials, formative quizzes, labelling tasks, and optional resources)

2. Classes

Please enter your choice for practical and tutorial classes on e-student. Once you are on the attendance list for that practical, you may not change to another. If you appear at another practical, you will be turned away. Under exceptional circumstances, practical times may be changed, but ONLY if you have contacted the Lab Manager, and have permission to make

a swap. 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.

3. Required Texts and Materials

The unit iLearn website can be accessed through the *ilearn.mq.edu.au*. Unit Manual (includes Lab and Tut notes) is available in iLearn. You can print your own copy. All lecture and tutorial slides will be posted on iLearn. You will find a link to Echo recordings of the lectures on this website. You will also find a Leganto link on iLearn that will show you the library resources available to support your learning. Please note that there is a limit in the number of users that simultaneously can access the electronic textbooks. Therefore, it might be a good idea to purchase your own textbook - see a list of prescribed texts below (available via Booktopia). Later or earlier editions of the textbooks/atlas are acceptable (you can discuss this with your tutors and/or convenor). Further readings can be found via the Leganto link.

- Prescribed textbooks:
 - Vogl, Drake, & Mitchell (2019) *Gray's Anatomy for Students*. 4th Ed, Elsevier, **OR**
 - Moore, Dalley, & Agur (2017) *Clinically Oriented Anatomy*. 8th Ed, Wolters Kluwer
- Prescribed atlases:
 - Abrahams, Boon & Spratt (2009) *McMinn's Clinical Atlas of Human Anatomy*. 6th Ed, Mosby/Saunders Elsevier, **OR**
 - Rohen, Lutjen-Drecoll, & Yokochi (2015) *A photographic Atlas*. 8th Ed, Wolters Kluwer

Unit Schedule

Weekly unit schedule will be provided on iLearn.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au). 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](#)

Students seeking more policy resources can visit [Student Policies](https://students.mq.edu.au/support/study/policies) (<https://students.mq.edu.au/support/study/policies>). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit [Policy Central](https://policies.mq.edu.au) (<https://policies.mq.edu.au>) and use the [search tool](#).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/admin/other-resources/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 or if you are a Global MBA student contact 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) 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

If you are a Global MBA student contact 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/.

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

In response to the COVID-related changes in the scheduling situation, ANAT2003 unit has been thoroughly re-evaluated and re-organised to support a logical sequence of topics and the learner-centered curriculum delivery. Each week is supplemented by newly-developed learning activities that provide flexibility for individual studies and the efficient/immediate feedback. All learning activities in the unit are strongly aligned with the learning outcomes and assessment. These activities include revision tasks, formative quizzes, pre- and post-lab activities such as labelling tasks and self-paced tutorials, additional external links to 3D structures and clinical case videos. Therefore, the entire unit has been re-designed with the aim of improving the logistics of the curriculum delivery and a strong positive alignment between learning objectives, learning/teaching activities and assessment.