



ANAT2003

Anatomy of Head, Neck and Trunk

Session 1, In person-scheduled-weekday, North Ryde 2023

Department of Chiropractic

Contents

<u>General Information</u>	2
<u>Learning Outcomes</u>	2
<u>General Assessment Information</u>	3
<u>Assessment Tasks</u>	5
<u>Delivery and Resources</u>	8
<u>Unit Schedule</u>	9
<u>Policies and Procedures</u>	10
<u>INCLUSION AND DIVERSITY</u>	12
<u>PROFESIONALISM</u>	12

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

Irina Dedova

irina.dedova@mq.edu.au

Contact via email

room 2228, Level 2, 75 Talavera Rd (by appointment)

by appointment

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

Grade descriptors and other information concerning grading are contained in the [Macquarie University Assessment Policy](#). All final grades are determined by a grading committee, in accordance with the Macquarie University Assessment Policy, and are not the sole responsibility of the Unit Convenor. Students will be awarded a final grade and a mark which must correspond to the grade descriptors specified in the [Assessment Procedure](#) (clause 128). To pass this unit, you must demonstrate sufficient evidence of achievement of the learning outcomes, meet any ungraded requirements, and achieve a final mark of 50 or better. Further details for each assessment task will be available on iLearn.

Online Quizzes

These Quizzes will be conducted online in weeks 2, 3, 4, 5, 9, 10, 11 (total seven quizzes). Each Quiz typically consists of around 10 questions (multiple choice, matching, T/F) on the theory of the given week. Questions are drawn from a database organised by specific subtopics for each quiz question. Time allocated: around 1.5-2 min per each question. The Quiz closes automatically once the time allocated runs out. Unfinished attempts are automatically saved. You have 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 and will stay open for one week for you to complete it in your own time. Late attempts are not allowed (zero marks). Written feedback will be provided. A representative quiz will be released to allow more practice and feedback. 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 in the timetable and iLearn.

Practical Examinations

The Prac Exam 1 (Week 7) and Prac Exam 2 (Week 13), focus on practical identifications of anatomical structures. These tests are typically held in the usual scheduled practical laboratory class (i.e. in the wet laboratory). Students will be advised via iLearn announcements of specific arrangements (mode, location, time) of these tests. Prac Exams assess students' ability to identify correctly anatomical structures on human remains, bones, models, medical images, and surface anatomy (both, real specimens and photographs/images can be used). Typically, there are around 15- 20 stations with several identifications in each. Some relevant theoretical questions may also be included. The scope of Prac Exam 1 is on the practical knowledge

achieved during the first six weeks of the semester (week 1 throughout to week 6, inclusive), and Prac Exam 2 examines the practical knowledge relevant to weeks 7 throughout to week 13. The value of Prac Exam 1 is 15% and of Prac Exam 2 is 20% towards the final mark for the unit. For prac exams, students must attend the class they are enrolled in, unless a permission has been granted by the convenor. 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 to five) short answer questions (answers to be written in the answer booklet provided). Short answer questions are based on scenarios discussed in lectures and tutorials. The content of the final examination is aligned with the learning outcomes for the unit and all the learning activities that students participate in throughout the entire 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.

Late Submissions

Unless a Special Consideration request has been submitted and approved, a 5% penalty (OF THE TOTAL POSSIBLE MARK) will be applied each day a written assessment is not submitted, up until the 7th day (including weekends). After the 7th day, a grade of '0' will be awarded even if the assessment is submitted. Submission time for all written assessments is set at 11.55pm. A 1-hour grace period is provided to students who experience a technical concern.

For example:

Number of days (hours) late	Total Possible Marks	Deduction	Raw mark	Final mark
1 day (1-24 hours)	100	5	75	70
2 days (24-48 hours)	100	10	75	65
3 days (48-72 hours)	100	15	75	60

7 days (144-168 hours)	100	35	75	40
>7 days (>168 hours)	100	-	75	0

For any late submissions of time-sensitive tasks, such as scheduled tests/exams, performance assessments/presentations, and/or scheduled practical assessments/labs, students need to submit an application for Special Consideration.

Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Online Quizzes</u>	20%	No	Weekly as per timetable
<u>Practical Exam 1</u>	15%	No	Week 6
<u>Practical Exam 2</u>	20%	No	Week 13
<u>Final Theory Exam</u>	45%	No	Examination Period

Online Quizzes

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 10 hours

Due: **Weekly as per timetable**

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 6**

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.

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

As a student enrolled in this unit, you will engage in a range of face-to-face (laboratories and tutorials) and online (lectures) activities.

1. Unit Schedule

A typical weekly schedule includes:

- three 1-hour lectures (see timetable); lectures are delivered either synchronously in real time via the Zoom platform *or* pre-recorded; students need to download the latest version of the Zoom software; all lectures will be recorded and available via ECHO360.
- one 2-hour face-to-face laboratory practical (as per enrolment); students will be using models, bones, images and human remains; prior to attending the lab, students are advised to watch around 30min video demonstrations via Acland's Video Atlas software (available via MQU Library; this can be done any time before the lab); a pdf file of ANAT2003 Unit Manual will be available via iLearn; to attend the lab, students are required to wear enclosed shoes, lab coat and face mask; students are permitted to attend the labs strictly as per enrolment.
- one 1-hour face-to-face tutorial class as per enrolment; tutorial notes are included in the Unit Manual.
- independent work, including tasks outlined in the Unit Manual, online interactive activities such as revision modules, 'check your understanding' online tutorials, formative quizzes, labelling tasks, using Complete Anatomy software and optional resources.

2. Classes Please make your choice for practical and tutorial classes on E-student. You can only attend the classes according to your class registration. Under exceptional circumstances, practical times may be changed, but **ONLY** if you have a written approval from the Unit Convenor. Participation in practical and tutorial classes is highly encouraged for optimal performance in the unit as all scheduled activities are aligned with the unit learning outcomes of the unit. A minimum of 80% tutorial and practical attendance is **RECOMMENDED** in order to gain sufficient knowledge in this unit.

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
- Software available for free via MQ Library: Acland's Video Atlas and Complete Anatomy.

Unit Schedule

***Week 8, L6: TUE 25/04 is Public Holiday; alternative lab is scheduled on FRI 28/04. Public Holidays: 07-10/04; 25/04; 12/06. Recess: 10/04-23/04; Exams: 05/06-25/06/2023. Prac Exams: F2F during LAB time; see iLearn & Announcements for details. Supplementary Prac Exams: usually conducted AFTER EXAMINATION PERIOD; therefore, please do not plan your travel until confirming the date for the supplementary; there will be NO online and/or individual sittings for prac exams.**

Week	Start dates	Lectures	Laboratory Practical	Tutorial	Quiz	Due Dates
		L1: MON 8-9am (1h) zoom L2&L3: THU 9-11am (2h) zoom	2h LAB: F2F TUE or WED or THU; <i>per enrolment</i>	1h TUT: F2F THU; <i>per enrolment</i>		
1	20/02	Introduction, Trunk, Thorax	Compulsory online modules: (1) Academic Integrity; (2) Laboratory Induction; (3) Revision			24/02
2	27/02	Thorax, Abdomen	L1: Introduction, Trunk	T1: Trunk	Quiz 1: Trunk	Open: 03/03 Close: 10/03
3	06/03	Abdomen, Pelvis	L2: Thorax	T2: Thorax	Quiz 2: Thorax	Open: 10/03 Close: 17/03
4	13/03	Pelvis, Neurovasculature	L3: Abdomen	T3: Abdomen	Quiz 3: Abdomen	Close: 17/03 Close: 24/03
5	20/03	Neurovasculature, Revision	L4: Pelvis	T4: Pelvis	Quiz 4: Pelvis	Open: 24/03 Close: 31/03

6	27/03	Embryology, CN Introduction, Skull	L5: Neurovasc, Revision		online revision	
7	03/04	Skull, Face, Oral	PRAC EXAM 1 (15%)		online Skull module	
10/04 – 23/04		TWO WEEKS RECESS				
8	24/04	Oral region, TMJ, Orbital	*L6: Skull, Face		T5: Skull, Face	
9	01/05	Orbital, Nasal, Ear, Larynx	L7: Oral region, TMJ		T6: Oral region, TMJ	Quiz 5: Skull, Face, TMJ Open: 05/05 Close: 12/05
10	08/05	Larynx, Pharynx, Neck	L8: Orbital, Nasal, Ear		T7: Orbital, Nasal, Ear	Quiz 6: Orbital, Nasal, Ear Open: 12/05 Close: 19/05
11	15/05	Neck, Neurovasculature	L9: Larynx, Pharynx		T8: Larynx, Pharynx	Quiz 7: Larynx, Pharynx Open: 19/05 Close: 26/05
12	22/05	Cranial nerves, Revision	L10: Neck, Neurovasc., Revision		T9: Neck, Revision	online revision
13	29/05	Embryology, Revision	PRAC EXAM 2 (20%)			

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](#)
- [Assessment Procedure](#)
- [Complaints Resolution Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#)

Students seeking more policy resources can visit [Student Policies \(https://students.mq.edu.au/su\)](https://students.mq.edu.au/su)

[upport/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>) 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

Academic Integrity

At Macquarie, we believe [academic integrity](#) – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free [online writing and maths support](#), [academic skills development](#) and [wellbeing consultations](#).

Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

The Writing Centre

[The Writing Centre](#) provides resources to develop your English language proficiency, academic writing, and communication skills.

- [Workshops](#)
- [Chat with a WriteWISE peer writing leader](#)
- [Access StudyWISE](#)
- [Upload an assignment to Studiosity](#)
- [Complete the 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

Macquarie University offers a range of [Student Support Services](#) including:

- [IT Support](#)
- [Accessibility and disability support](#) with study
- Mental health [support](#)
- [Safety support](#) to respond to bullying, harassment, sexual harassment and sexual assault
- [Social support including information about finances, tenancy and legal issues](#)
- [Student Advocacy](#) provides independent advice on MQ policies, procedures, and processes

Student Enquiries

Got a question? Ask us via [AskMQ](#), or contact [Service Connect](#).

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.

INCLUSION AND DIVERSITY

Social inclusion at Macquarie University is about giving everyone who has the potential to benefit from higher education the opportunity to study at university, participate in campus life and flourish in their chosen field. The University has made significant moves to promote an equitable, diverse and exciting campus community for the benefit of staff and students. It is your responsibility to contribute towards the development of an inclusive culture and practice in the areas of learning and teaching, research, and service orientation and delivery. As a member of the Macquarie University community, you must not discriminate against or harass others based on their sex, gender, race, marital status, carers' responsibilities, disability, sexual orientation, age, political conviction or religious belief. All staff and students are expected to display appropriate behaviour that is conducive to a healthy learning environment for everyone.

PROFESSIONALISM

In the Faculty of Medicine, Health and Human Sciences, professionalism is a key capability embedded in all our courses.

As part of developing professionalism, students are expected to attend all small group interactive sessions including clinical, practical, laboratory, work-integrated learning (e.g., PACE placements), and team-based learning activities. Some learning activities are recorded (e.g., face-to-face lectures), however you are encouraged to avoid relying upon such material as they

do not recreate the whole learning experience and technical issues can and do occur. As an adult learner, we respect your decision to choose how you engage with your learning, but we would remind you that the learning opportunities we create for you have been done so to enable your success, and that by not engaging you may impact your ability to successfully complete this unit. We equally expect that you show respect for the academic staff who have worked hard to develop meaningful activities and prioritise your learning by communicating with them in advance if you are unable to attend a small group interactive session.

Another dimension of professionalism is having respect for your peers. It is the right of every student to learn in an environment that is free of disruption and distraction. Please arrive to all learning activities on time, and if you are unavoidably detained, please join activity as quietly as possible to minimise disruption. Phones and other electronic devices that produce noise and other distractions must be turned off prior to entering class. Where your own device (e.g., laptop) is being used for class-related activities, you are asked to close down all other applications to avoid distraction to you and others. Please treat your fellow students with the utmost respect. If you are uncomfortable participating in any specific activity, please let the relevant academic know.