



ANAT2003

Anatomy of Head, Neck and Trunk

Session 1, In person-scheduled-weekday, North Ryde 2024

Department of Chiropractic

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General Information

Unit convenor and teaching staff

Irina Dedova

irina.dedova@mq.edu.au

Credit points

10

Prerequisites

HLTH108 or ANAT1001

Corequisites

Co-badged status

Unit description

This unit follows on from ANAT1001 to enable you to develop an understanding of the regional anatomy of the head, neck and trunk. Emphasis is placed upon the structure-function relationship and topography of these body regions. You will be provided with a hands-on learning experience using various media including cadaveric specimens. You will apply theoretical and practical knowledge to solve problems based on real life and clinical scenarios.

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 thorough understanding of the regional and topographical anatomy of the head, neck and trunk, including their musculoskeletal, visceral and neurovascular elements.

ULO2: Apply anatomical knowledge to analyse clinical and functional presentations relating to the head, neck and trunk.

ULO3: Correlate normal anatomy with surface landmarks, and interpret cross-sectional and radiological images of the head, neck and trunk.

General Assessment Information

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.

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.

Portfolio (30%)

You will be required providing a collection of evidence demonstrating your performance on individual tasks and your development towards achieving the unit learning outcomes. Part of Portfolio are weekly quizzes. Additional evidence may include (but not limited to) performance in formative learning activities, creating learning resources, peer group learning, reflective writing and more. Specific details will be provided via iLearn platform and explicitly explained during a seminar.

Exam 1 (35%) and Exam 2 (35%)

These two examinations contain theory and practical components. Exam 1 covers the content of the trunk topics (first half of semester). Exam 2 covers content of the head/neck topics (second half of semester). The practical component in each examination is held face-to-face in the laboratory, while the theory component is conducted in a written/quiz format. Specific details will be provided via iLearn platform and explicitly explained during a seminar.

Assessment Tasks

Name	Weighting	Hurdle	Due
Exam 1	35%	No	Week 7
Exam 2	35%	No	Week 13
Portfolio	30%	No	Weekly

Exam 1

Assessment Type ¹: Examination

Indicative Time on Task ²: 21 hours

Due: **Week 7**

Weighting: **35%**

Theory and practical exam covering the content of the first half of semester.

On successful completion you will be able to:

- Demonstrate a thorough understanding of the regional and topographical anatomy of the head, neck and trunk, including their musculoskeletal, visceral and neurovascular elements.
- Apply anatomical knowledge to analyse clinical and functional presentations relating to the head, neck and trunk.
- Correlate normal anatomy with surface landmarks, and interpret cross-sectional and radiological images of the head, neck and trunk.

Exam 2

Assessment Type ¹: Examination

Indicative Time on Task ²: 21 hours

Due: **Week 13**

Weighting: **35%**

Theory and practical exam covering the content of the second half of semester.

On successful completion you will be able to:

- Demonstrate a thorough understanding of the regional and topographical anatomy of the head, neck and trunk, including their musculoskeletal, visceral and neurovascular elements.
- Apply anatomical knowledge to analyse clinical and functional presentations relating to the head, neck and trunk.
- Correlate normal anatomy with surface landmarks, and interpret cross-sectional and radiological images of the head, neck and trunk.

Portfolio

Assessment Type ¹: Portfolio

Indicative Time on Task ²: 21 hours

Due: **Weekly**

Weighting: **30%**

A collection of evidence demonstrating student performance on individual tasks and their development towards achieving the unit learning outcomes.

On successful completion you will be able to:

- Demonstrate a thorough understanding of the regional and topographical anatomy of the head, neck and trunk, including their musculoskeletal, visceral and neurovascular elements.
- Apply anatomical knowledge to analyse clinical and functional presentations relating to the head, neck and trunk.
- Correlate normal anatomy with surface landmarks, and interpret cross-sectional and radiological 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 (seminars and formative tasks) activities. Details can be found in the iLearn site for this unit.

1. Unit Schedule

A typical weekly schedule includes:

- one 2-hour online seminars (see timetable); seminar slides will be available in Weekly iLearn folders, and zoom recordings - via ECHO360. We strongly encourage you attending seminars on a weekly basis because lecture attendance strongly correlates with final grades for the unit. While attending the seminar, please use Unit Manual as it contains complimentary notes that accompany seminar content. This will prepare you well for the lab and tutorial.
- one 2-hour 'in person' laboratory practical (as per enrolment), where we offer you experiential learning utilising models, bones, images and human postmortem tissue specimens. Prior to attending the lab, we strongly advise you attending the seminars and watching the relevant fragments of Acland's Video Atlas (available online for free via MQU Library). We advise you to print and bring your Unit Manual to the lab. In the lab, you will need to wear enclosed shoes and lab coat. You can only attend the labs strictly per enrolment. Prior to attending your first lab, you are required to complete the Online Lab Induction Module. We strongly advise you attending the labs because the knowledge and skills you develop during the labs are directly linked to the practical examinations and all other assessments in the unit, including online quiz.
- one 1-hour 'in person' tutorial that consolidates your knowledge on the given topic by in depth-discussions of content delivered in lectures and laboratories applied to clinical cases and real life scenarios. This activity facilitates the development of deeper understanding of the unit content and forming long-term memory, which enhances a performance in the assessment. We strongly advise you attending tutorials for achieving the best results possible. Tutorial content is included in all assessment tasks.
- independent work (at least 4 hours/week); this include tasks outlined in the Unit Manual, online activities including revision, 'check your understanding' online tutorials, formative quizzes, labelling tasks, and using Complete Anatomy software (available for free via MQ Library).

2. Classes

Please make your choice for practical/workshop classes on E-student. You can only attend the classes according to your class registration. Under exceptional circumstances, lab/tutorials times may be changed, with a written approval from the Unit Convenor. Participation in laboratory practicals and tutorials is highly encouraged for optimal performance in the unit as all scheduled activities are positively aligned with the unit learning outcomes and assessments.

3. Recommended Readings and Materials

The unit iLearn website can be accessed through the ilearn.mq.edu.au. The iLearn will contain all important study materials and links, such as:

- Unit Guide, Timetable
- Leganto link - you can access all relevant online resources available via MQ Library, e.g. textbooks, Complete Anatomy software, Acland's Video Atlas
- Unit Manual - please download it, print and bring your own copy to the labs and tutorials
- Seminar slides and ECHO30 link to seminar recordings
- Tutorial slides
- Formative learning activities - you have plenty of additional learning materials specifically developed to address weekly learning outcomes keeping in mind the specific format of the unit assessment; we highly encourage you to use these regularly and in smaller chunks

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: **Complete Anatomy** (Elsevier) is available for free download and **Acland's Video Atlas** is available via MQ Library. Instructions will be provided via iLearn.

4. Technology Used

Active participation in learning activities throughout the unit will require students using a laptop or similar device. Students who don't own their laptop/computer may borrow one from the university library.

Unit Schedule

Please note that this timetable may be a subject to change. **Please refer to the latest timetable version in iLearn.**

Week	START DATE	SEMINAR	PRACTICAL LAB	TUTORIAL (SGTA)	PORTFOLIO: QUIZ	PORTFOLIO: submissions
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Unit guide ANAT2003 Anatomy of Head, Neck and Trunk

		2h SEM: FRI 11am <i>Live Zoom & ECHO360</i>	2h LAB: TUE-WED <i>F2F LAB per enrolment</i>	1h TUTE: THUR <i>F2F per enrolment</i>		
1	19/02	Introduction, Trunk	<i>Compulsory online modules: Lab Induction, Academic Integrity, Learning Modules</i>		23/02/24	
2	26/02	Thorax	LAB 1: Trunk			
3	04/03	Abdomen	LAB 2: Thorax	TUTORIAL 1	QUIZ 1: Trunk <i>Open 08/03; Close 15/04</i>	
4	11/03	Pelvis	LAB 3: Abdomen	TUTORIAL 2	QUIZ 2: Thorax <i>Open 15/03; Close 22/03</i>	
5	18/03	Neurovasculature	LAB 4: Pelvis	TUTORIAL 3	QUIZ 3: Abdomen <i>Open 22/03; Close 29/03</i>	Submission 1 (TBC)
6	25/03	Introduction, Head & Neck	LAB 5: Neurovasculature & MOCK PRAC EXAM	TUTORIAL 4	QUIZ 4: Pelvis, Neurovasc. <i>Open 29/03; Close 05/04</i>	
7	01/04	Skull, Face	EXAM 1: Prac Exam 1	EXAM 1: Theory 1 (details TBC)		
8	08/04	Oral region, TMJ	LAB 6: Skull, Face	TUTORIAL 5		Submission 2 (TBC)
15/04-28/04		TWO-WEEK RECESS				
9	29/04	Orbital, Nasal, Ear	LAB 7: Oral region, TMJ	TUTORIAL 6	QUIZ 5: Skull, Face <i>Open 03/05; Close 10/05</i>	
10	06/05	Neck, Larynx, Pharynx	LAB 8: Orbital, Nasal, Ear	TUTORIAL 7	QUIZ 6: Oral, TMJ <i>Open 10/05; Close 17/05</i>	
11	13/05	Neurovasculature	LAB 9: Neck, Larynx, Pharynx	TUTORIAL 8	QUIZ 7: Orbit, Nose, Ear <i>Open 17/05; Close 24/05</i>	Submission 3 (TBC)

12	20/05	Cranial Nerves Wrap Up	LAB 10: Neurovasculature & MOCK PRAC EXAM		QUIZ 8: Neck, Larynx, Pharynx, Neurovasc. <i>Open 24/05; Close 31/05</i>	
13	27/05		EXAM 2: Prac Exam 2	EXAM 2: Theory 2 (details TBC)		Submission 4 (TBC)

Public Holidays: WK6-FRI (29/03); WK7-MON (01/04). **Recess:** 08/04-21/04/2024. **Exams:** 03/06-23/06/2024. Last Enrolment via eStudent: 03/03/24. Teaching Census: 15/03/24. Last Withdrawal Without Fail: 28/04/24. **Supplementary Practical Exams:** these tests are *typically* organized at: last day of mid-semester break (Prac Exam 1); last day of exam period (Prac Exam 2). Do not plan to be away on these days if you have an approved special consideration. Due to the nature of these tests, we don't hold multiple sittings. There will be NO online and/or individual sittings of prac exams.

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 \(https://students.mq.edu.au/support/study/policies\)](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

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.

Changes from Previous Offering

1. This year, we have replaced 3h lectures with one 2-hour seminar.
2. A new Portfolio assessment is introduced. This assessment aims to support a progressive and coherent achievement of unit learning outcomes that encourages you studying in smaller chunks continuously. We hope that Portfolio will provide you with ample opportunities to enhance your performance/knowledge as you progress through the unit. This assessment is also FOR learning and is more flexible and inclusive. Precise details will be communicated via iLearn and during seminars.
3. The content in this unit consists of TWO distinctive anatomical regions (trunk and head/neck). Traditionally, students experienced a significant workload/stress towards the end of semester (based on student feedback and discussions with student representatives). To allow better focus on each body region and to alleviate stress associated with the end of semester examination, the final theory examination paper was removed. Instead two smaller theory assessments are introduced to accompany the two existing practical examinations. Therefore, there are two 'exams': Exam 1 is conducted on the trunk topics (mid-semester; 35% combined theory and practical tests) and Exam 2 is conducted on the head/neck topics (end-semester; 35% combined theory and practical tests).

Students will be provided opportunities to voice their feedback as we are progressing through the semester.

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.

The study of human anatomy at Macquarie University is governed by the Anatomy Act (1977) and students are admitted to the anatomy laboratories on the proviso that they comply with all relevant legislation. It is important that this includes respect and professionalism in your dealings with human material and your interactions with your colleagues and members of the public. Donating one's body to science is an act of selflessness and generosity that contributes greatly to advancing medical research and education. It behoves us all, therefore, to treat the donations with outmost care, respect and professionalism. Failure to do so not only can result in serious reputational consequences for you and the University, but can result in suspension, expulsion and possible imprisonment. Please behave professionally at all times and treat our valuable human anatomy teaching resources with utmost care and respect. Thank you.

Unit information based on version 2024.02 of the [Handbook](#)