UNSW Course Outline

ANAT2241 Histology: Basic and Systematic - 2024

Published on the 12 May 2024

General Course Information

Course Code : ANAT2241
Year : 2024
Term : Term 2
Teaching Period : T2
Is a multi-term course? : No
Faculty : Faculty of Medicine and Health
Academic Unit : School of Biomedical Sciences
Delivery Mode : In Person
Delivery Format : Standard
Delivery Location : Kensington
Campus : Sydney
Study Level : Undergraduate
Units of Credit : 6

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

Introduction to the microscopic anatomy of the human body based on the study of virtual histological images. Topics for study include the basic tissues (epithelium, connective tissue, muscle and nervous tissue), and the cardiovascular, respiratory, integumentary, digestive,

immune, endocrine, urinary, male and female reproductive and genital systems.

Course Aims

The aim of the course is to introduce you to the microscopic anatomy of the human body based on the study of virtual histological images. Topics for study include: the basic tissues (epithelium, connective tissue, muscle and nervous tissue), and cardiovascular, respiratory, integumentary, digestive, immune, endocrine, urinary, male and female reproductive and genital systems.

Relationship to Other Courses

Assistance with progression checking:

If you are unsure how this course fits within your program, you can seek guidance on optimising your program structure from staff at the Nucleus Student Hub.

- Progression plans for UNSW Medicine and Health programs can be found on the UNSW Medicine & Health website.
- Progression plans for UNSW Science programs can be found on the UNSW Science website.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Apply appropriate histological terminology when describing the basic tissues and their components.
CLO2 : Describe the relationship between the microscopic structure and function of the basic tissues, namely epithelium, connective tissue, muscle and nervous tissue.
CLO3 : Discuss the relationship between the microscopic structure and function of the following human body systems and their components: cardiovascular, respiratory, integumentary, immune, gastro-intestinal, endocrine, urinary, and male and female reproductive systems.
CLO4 : Explain the interdependence of the body systems from a histological perspective.

Course Learning Outcomes	Assessment Item
CLO1 : Apply appropriate histological terminology when describing the basic tissues and their components.	• End term assessment • Final Theory Exam • Mid term Assessment • Continuous assessment - quizzes
CLO2 : Describe the relationship between the microscopic structure and function of the basic tissues, namely epithelium, connective tissue, muscle and nervous tissue.	• End term assessment • Final Theory Exam • Mid term Assessment • Continuous assessment - quizzes
CLO3 : Discuss the relationship between the microscopic structure and function of the following human body systems and their components: cardiovascular, respiratory, integumentary, immune, gastro-intestinal, endocrine, urinary, and male and female reproductive systems.	• End term assessment • Final Theory Exam • Mid term Assessment • Continuous assessment - quizzes
CLO4 : Explain the interdependence of the body systems from a histological perspective.	• Final Theory Exam • Continuous assessment - quizzes

Learning and Teaching Technologies

Moodle - Learning Management System

Learning and Teaching in this course

All course materials and course announcements are provided on the course learning management system, Moodle (or Open Access).

By accessing and using the ICT resources provided by UNSW, you are agreeing to abide by the

'Acceptable Use of UNSW ICT Resources' policy particularly on respect for intellectual property and copyright, legal and ethical use of ICT resources and security and privacy.

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
End term assessment Assessment Format: Individual	20%	Start Date: in week 10 Due Date: in week 10
Final Theory Exam Assessment Format: Individual	30%	Start Date: during the final exam peiod Due Date: during the final exam peiod
Mid term Assessment Assessment Format: Individual	20%	Start Date: in week 5 Due Date: in week 5
Continuous assessment - quizzes Assessment Format: Individual	30%	Start Date: weekly; during the term Due Date: weekly; during the term

Assessment Details

End term assessment

Assessment Overview

This assessment task will be held in week 10. The assessment task is a practical test. It assesses knowledge learned during practical classes (contents of weeks 7-10) through the examination of virtual histology slides and electron micrograph images. Individual and cohort feedback will be provided through the learning management system.

Course Learning Outcomes

- CLO1 : Apply appropriate histological terminology when describing the basic tissues and their components.
- CLO2 : Describe the relationship between the microscopic structure and function of the basic tissues, namely epithelium, connective tissue, muscle and nervous tissue.
- CLO3 : Discuss the relationship between the microscopic structure and function of the following human body systems and their components: cardiovascular, respiratory, integumentary, immune, gastro-intestinal, endocrine, urinary, and male and female reproductive systems.

Detailed Assessment Description

This assessment task will be held in week 10. The assessment task is a practical test worth 20%. The practical test assesses knowledge learned during practical classes through examination of histology virtual slides and electron micrograph images. Feedback process: Student performance feedback will be provided through Moodle.

Assessment Length

30 minutes

Submission notes

Refer to Moodle for submission information.

Assessment information

Use of Generative Artificial Intelligence (AI) in the assessment

UNSW Pro-Vice Chancellor Education and Student Experience (PVCESE) provides guidance on the use of generative Artificial Intelligence in assessments.

NO ASSISTANCE is permitted.

It is prohibited to use any software or service to search for or generate information or answers. If such use is detected, it will be regarded as serious academic misconduct and subject to the standard penalties, which may include 00FL, suspension and exclusion.

Assignment submission Turnitin type

Not Applicable

Final Theory Exam

Assessment Overview

This is a written exam that will be held during the formal examination period to assess your knowledge of course content and to assess deeper learning (such as the ability to make connections between basic histological tissues and systems, as well as problem-solving capacity). The final theory exam will consist of multiple-choice questions and short answer questions that assess your ability to integrate knowledge from lectures, practical classes, and online modules. Generalised cohort feedback will be provided via the learning management system.

Course Learning Outcomes

- CLO1 : Apply appropriate histological terminology when describing the basic tissues and their components.
- CLO2 : Describe the relationship between the microscopic structure and function of the basic tissues, namely epithelium, connective tissue, muscle and nervous tissue.
- CLO3 : Discuss the relationship between the microscopic structure and function of the following human body systems and their components: cardiovascular, respiratory, integumentary, immune, gastro-intestinal, endocrine, urinary, and male and female

reproductive systems.
- CLO4 : Explain the interdependence of the body systems from a histological perspective.

Detailed Assessment Description

A written exam will be held during the formal examination period to assess student knowledge of course content and to assess deeper learning (such as the ability to make connections between basic histological tissues and systems, as well as problem-solving capacity). The written exam will consist of multiple-choice questions and short answer questions testing knowledge integration from lectures, practical classes, and online modules.

Feedback process: Student performance mark

Detailed information about this assessment will be provided on the course Moodle page.

Assessment Length

2 hours

Submission notes

Refer to Moodle for submission information.

Assessment information

Use of Generative Artificial Intelligence (AI) in the assessment

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NO ASSISTANCE is permitted.

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Assignment submission Turnitin type

Not Applicable

Mid term Assessment

Assessment Overview

This assessment task will be held in week 5. The assessment task is a practical test. It assesses knowledge learned during practical classes (contents of weeks 1-5) through the examination of

virtual histology slides and electron micrograph images. Individual and cohort feedback will be provided through the learning management system.

Course Learning Outcomes

- CLO1 : Apply appropriate histological terminology when describing the basic tissues and their components.
- CLO2 : Describe the relationship between the microscopic structure and function of the basic tissues, namely epithelium, connective tissue, muscle and nervous tissue.
- CLO3 : Discuss the relationship between the microscopic structure and function of the following human body systems and their components: cardiovascular, respiratory, integumentary, immune, gastro-intestinal, endocrine, urinary, and male and female reproductive systems.

Detailed Assessment Description

This assessment task will be held in week 5. The assessment task is a practical test worth 20%. The practical test assesses knowledge learned during practical classes through the examination of histology virtual slides and electron micrograph images.

Feedback process: Student performance feedback will be provided through Moodle.

Assessment Length

30 minutes

Submission notes

Refer to Moodle for submission information.

Assessment information

Use of Generative Artificial Intelligence (AI) in the assessment

UNSW Pro-Vice Chancellor Education and Student Experience (PVCESE) provides guidance on the use of generative Artificial Intelligence in assessments.

NO ASSISTANCE is permitted for the test.

It is prohibited to use any software or service to search for or generate information or answers. If such use is detected, it will be regarded as serious academic misconduct and subject to the standard penalties, which may include 00FL, suspension and exclusion.

Assignment submission Turnitin type

Not Applicable

Continuous assessment - quizzes

Assessment Overview

This assessment task consists of 9 quizzes that are taken throughout term. The highest 7 out of 9 quiz marks will count towards your final mark, with each quiz weighted equally. The quizzes will assess your understanding of practical and theoretical knowledge acquired in the course. Individualised feedback will be provided immediately after each quiz via the learning management system.

Course Learning Outcomes

- CLO1 : Apply appropriate histological terminology when describing the basic tissues and their components.
- CLO2 : Describe the relationship between the microscopic structure and function of the basic tissues, namely epithelium, connective tissue, muscle and nervous tissue.
- CLO3 : Discuss the relationship between the microscopic structure and function of the following human body systems and their components: cardiovascular, respiratory, integumentary, immune, gastro-intestinal, endocrine, urinary, and male and female reproductive systems.
- CLO4 : Explain the interdependence of the body systems from a histological perspective.

Detailed Assessment Description

This assessment consists of 9 short quizzes that are taken throughout the term. The highest 7 out of 9 quizzes will count towards the final mark.

Immediate feedback is provided through Moodle.

Assessment Length

5 minutes

Submission notes

Refer to Moodle for submission information.

Assessment information

Use of Generative Artificial Intelligence (AI) in the assessment

UNSW Pro-Vice Chancellor Education and Student Experience (PVCESE) provides guidance on the use of generative Artificial Intelligence in assessments.

NO ASSISTANCE is permitted for the test.

It is prohibited to use any software or service to search for or generate information or answers. If

such use is detected, it will be regarded as serious academic misconduct and subject to the standard penalties, which may include 00FL, suspension and exclusion.

Assignment submission Turnitin type

Not Applicable

General Assessment Information

Detailed instructions regarding assessments for this course are provided on the course Moodle page (or Open Learning).

For student information on results, grades, and guides to assessment see: https://student.unsw.edu.au/assessment

Grading Basis

Standard

Requirements to pass course

In order to pass this course students must:

- Achieve a composite grade of at least 50 out of 100
- Meet any additional requirements specified in the assessment details section and on Moodle.

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 0 : 20 May - 26 May	Online Activity	The online videos must be viewed in Week 0 before Week 1 commences.
Week 1 : 27 May - 2 June	Seminar	Cells, Basic Tissues, and Epithelium Connective Tissue
	Laboratory	Cells, Basic Tissues, and Epithelium, and Connective Tissue
	Assessment	Weel 1 quiz
Week 2 : 3 June - 9 June	Lecture	Specialised Connective Tissue and Bone Muscle Tissue
	Laboratory	Specialised Connective Tissue and Muscle Tissue
	Assessment	Week 2 quiz
Week 3 : 10 June - 16 June	Lecture	nervous tissue & nervous system
	Laboratory	Nervous tissue and system
	Assessment	Week 3 quiz
Week 4 : 17 June - 23 June	Lecture	Sensory Organs Endocrine system
	Laboratory	Sensory organs, and endocrine system
	Assessment	Week 4 quiz
Week 5 : 24 June - 30 June	Lecture	Cardiovascular system Respiratory system Blood
	Laboratory	Cardiovascular system Respiratory system Blood
	Assessment	Week 5 quiz
	Assessment	Midterm exam
Week 7 : 8 July - 14 July	Lecture	Digestive system
	Laboratory	Digestive system
	Assessment	Week 7 quiz
Week 8 : 15 July - 21 July	Lecture	Integumentary system Immune System
	Laboratory	Integumentary system Immune System
	Assessment	Week 8 quiz
Week 9 : 22 July - 28 July	Lecture	Urinary System & Male reproductive System
	Laboratory	Urinary System & Male reproductive System
	Assessment	week 8 quiz
Week 10 : 29 July - 4 August	Lecture	Female Reproductive system
	Laboratory	Female Reproductive system
	Assessment	week 10 quiz
	Assessment	End-term exam

Attendance Requirements

Students are strongly encouraged to attend all classes and review lecture recordings.

General Schedule Information

The times and locations of classes can be found on myUNSW under Class Timetable.

The expected engagement for all UNSW 6UOC courses is 150 hours per term. This includes lectures, tutorials, readings, and completion of assessments and exam preparation (if relevant).

Course Resources

Recommended Resources

Recommended resources for this course are provided on the course Moodle page.

Additional Costs

There are no additional costs associated with this course.

Course Evaluation and Development

Student feedback is taken seriously, and continual improvements are made to the course based, in part, on such feedback.

We use student feedback from myExperience surveys to develop and make improvements to the course each year. We do this by identifying areas of the course that require development from both the rating responses and written comments. Please spare a few minutes to complete the myExperience surveys for this course posted at the top of the Moodle page at the end of term.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
	Reza Shirazi					No	Yes
	Joyce El-Haddad					No	No

Other Useful Information

Academic Information

As a student of UNSW Medicine & Health you are expected to familiarise yourself with the contents of this course outline and the UNSW Student Code and policies and procedures related to your studies.

Student Code of Conduct

Throughout your time studying at UNSW Medicine & Health, you share a responsibility with us for

maintaining a safe, harmonious and tolerant University environment. This includes within the courses you undertake during your degree and your interactions with the UNSW community, both on campus and online.

The UNSW Student Code of Conduct website provides a framework for the standard of conduct expected of UNSW students with respect to both academic integrity and your responsibility as a UNSW citizen.

Where the University believes a student may have breached the code, the University may take disciplinary action in accordance with the Student Misconduct Procedure.

The Student Conduct and Integrity Office provides further resources to assist you to understand your conduct obligations as a student at UNSW.

Academic Honesty and Plagarism

Academic integrity

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW staff and students have a responsibility to adhere to the principle of academic integrity, and ethical scholarship of learning is fundamental to your success at UNSW Medicine & Health.

Plagiarism, contract cheating, and inappropriate use of generative AI undermine academic integrity and are not tolerated at UNSW. For more information see the Academic Integrity and Plagiarism toolkit.

In addition to the information you are required to review in your ELISE training, UNSW Medicine & Health strongly recommends that you complete the Working with Academic Integrity module before submitting your first assessment task.

Referencing

Referencing is a way of acknowledging the sources of information that you use to research your assignments. Preferred referencing styles vary among UNSW Medicine & Health disciplines, so check your course Learning Management System (e.g. Moodle or Open Learning) page for information on preferred referencing styles.

For further information on referencing support and styles, see the Current Student Referencing

page.

Academic misconduct and plagiarism

At UNSW, academic misconduct is managed in accordance with the Student Misconduct Procedure. Allegations of plagiarism are generally handled according to the UNSW Plagiarism Management Procedure. Plagiarism is defined in the UNSW Plagiarism Policy and is not tolerated at UNSW.

Use of Generative AI and other tools in your assessment

UNSW has provided guiding statements for the use of Generative AI in assessments. This will differ, depending on the individual assessment task, your course requirements, and the course stage within your program.

Your course convenor will outline if and how you can use Generative AI in each your assessment tasks. Options for the use of generative AI include: (1) no assistance; (2) simple editing assistance; (3) planning assistance; and (4) full assistance with attribution.

You may be required to submit the original generative AI responses, or drafts of your original work. Inappropriate use of generative AI is considered academic misconduct.

See your course Moodle (or Open Learning) page for the full instructions for individual assessment tasks for your course.

Submission of Assessment Tasks

Special Consideration

In cases where illness, misadventure or other circumstances beyond your control will prevent you from submitting your assessment by the due date and you require an extension, you need to formally apply for Special Consideration through myUNSW.

UNSW has a **Fit to Sit/Submit rule**, which means that by sitting or submitting an assessment on the scheduled assessment date, you are declaring that you are fit to do so and cannot later apply for Special Consideration.

Timed online assessment tasks

If you experience a technical or connection problem during a timed online assessment, such as a

timed quiz, you can apply for Special Consideration. To be eligible to apply you need to contact the Course Convenor and advise them of the issue immediately. You will need to submit an application for Special Consideration immediately, and upload screenshots, error messages or other evidence of the technical issue as supporting documentation. Additional information can be found on: https://student.unsw.edu.au/special-consideration

Examinations

Information about the conduct of examinations in your course is provided on your course Moodle page.

Other assessment tasks

Late submission of assessment tasks

UNSW has standard late submission penalties as outlined in the UNSW Assessment Implementation Procedure, with no permitted variation. All late assignments (unless extension or exemption previously agreed) will be penalised by 5% of the maximum mark per calendar day (including Saturday, Sunday and public holidays).

Late submissions penalties are capped at five calendar days (120 hours). This means that a student is not permitted to submit an assessment more than 5 calendar days (120 hours) after the due date for that assessment (unless extension or exemption previously agreed).

Failure to complete an assessment task

You are expected to complete all assessment tasks for your courses. In some courses, there will be a minimum pass mark required on a specific assessment task (a “hurdle task”) due to the need to assure clinical competency.

Where a hurdle task is applicable, additional information is provided in the assessment information on your course Moodle page.

Feedback on assessments

Feedback on your performance in assessment tasks will be provided to you in a timely manner. For assessment tasks completed within the teaching period of a course, other than a final assessment, feedback will be provided within 10 working days of submission, under normal circumstances.

Feedback on continuous assessment tasks (e.g. laboratory and studio-based, workplace-based, weekly quizzes) will be provided prior to the midpoint of the course.

Any variation from the above information that is specific to an assessment task will be clearly indicated in the course and assessment information provided to you on your course Moodle (or Open Learning) page.

Faculty-specific Information

Additional support for students

The university offers a wide range of support services that are available for students. Here are some links for you to explore.

- The Current Students Gateway: https://student.unsw.edu.au
- Academic Skills and Support: https://student.unsw.edu.au/academic-skills
- Student support: https://www.student.unsw.edu.au/support
- Student Wellbeing, Health and Safety: https://student.unsw.edu.au/wellbeing

Mind Smart Guides are a series of mental health self-help resources designed to give you the psychological flexibility, resilience and self-management skills you need to thrive at university and at work.

- Mind Smart Guides: https://student.unsw.edu.au/mindsmart
- Equitable Learning Services: https://student.unsw.edu.au/els
- Guide to studying online: https://www.student.unsw.edu.au/online-study

Most courses in UNSW Medicine & Health use Moodle as your Learning Management System. Guidance for using UNSW Moodle can be found on the Current Student page. Difficulties with Moodle should be logged with the IT Service Centre.

- Moodle Support: https://student.unsw.edu.au/moodle-support

The IT Service Desk is your central point of contact for assistance and support with remote and on-campus study.

- UNSW IT Service Centre: https://www.myit.unsw.edu.au/services/students

Course evaluation and development

At UNSW Medicine & Health, students take an active role in designing their courses and their overall student experience. We regularly seek feedback from students, and continuous improvements are made based on your input. Towards the end of the term, you will be asked to participate in the myExperience survey, which serves as a source of evaluative feedback from students. Your input to this quality enhancement process is valuable in helping us meet your learning needs and deliver an effective and enriching learning experience. Student responses are carefully considered, and the action taken to enhance educational quality is documented in the myFeedback Matters section of your Moodle (or Open Learning) course page.

School-specific Information

Laboratory or practical class safety.

For courses where there is a laboratory or practical-based component, students are required to wear the specified personal protective equipment (e.g., laboratory coat, covered shoes, safety glasses) indicated in the associated student risk assessments. The student risk assessments will be provided on the course Moodle page and must be read and acknowledged prior to the class.

Master of Science in Health Data Science courses

Courses in the Master of Science in Health Data Science are hosted through Open Learning. Additional resources are available on the Health Data Science Student Hub.

Recording of lectures, tutorials and other teaching activities (MSc. HDS only)

Lectures, tutorials and other teaching activities may be recorded. Students should be advised that they are consenting to the recording by their enrolment in the course or participation in the activity. The purpose of audio and video recordings is to enhance the student experience by supporting engaged learning in an online teaching environment and ensure equitable access to all course resources for our students. If you have concerns about accessing course recordings,

or being recorded, please contact the Course Convenor.

School Contact Information

School guidelines on contacting staff:

Course questions

All questions related to course content should be posted on Moodle (or Open Learning) or as directed by your Course Convenor.

In cases where email communication with course convenors is necessary, we kindly request the following:

- Use your official email address for any correspondence with teaching staff.
- We expect a high standard of communication. All communication should avoid using short-hand or texting language.
- Include your full name, student ID, and your course code and name in all communication.

Our course convenors are expected to respond to emails during standard working hours of Monday to Friday, 9am-5pm.

Administrative questions

If you have an administrative question about your program of study at the School please submit your enquiry online at UNSW Ask Us.

Complaints and appeals

Student complaints and appeals: https://student.unsw.edu.au/complaints

If you have any grievances about your studies, we invite you to address these initially to the Course Convenor. If the response does not meet your expectations, you may then contact:

School Grievance Officer, Prof Nick Di Girolamo (n.digirolamo@unsw.edu.au)

Health Data Science programs: School Grievance Officer, Dr Sanja Lujic (s.lujic@unsw.edu.au)