



UNSW Course Outline

PHSL2501 Human Physiology A - 2024

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General Course Information

Course Code : PHSL2501

Year : 2024

Term : Term 1

Teaching Period : T1

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

This course introduces you to fundamental physiological principles, from basic cellular function in terms of chemical and physical principles to the operation and interaction of body systems. Although introductory in the level of content, this course in Human Physiology is comprehensive

in scope covering a range of body systems from a cellular to a more integrative approach. The areas of physiology covered in this course are cell physiology, muscle, the cardiovascular system, blood and the nervous system. The course includes engaging face-to-face practical classes in which you will work in small groups to conduct experiments that give a deeper insight into these specific topic areas, and an appreciation of how the results of experiments depend not only on what we measure but how we measure it. Online self-directed activities and online practical classes further support the course content and learning objectives.

Course Aims

Physiology is a core discipline in the study of body function. This course provides you with a basic understanding of the fundamental processes and mechanisms that serve and control the following body systems:

- Cell physiology
- Muscle
- Blood
- Cardiovascular system
- Nervous system

The course aims to equip you to progress further in biomedical sciences or related subjects.

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](#).

This course is offered to second year students and is the first physiology course that students will encounter. It is the foundation course for the Term 2 Introductory Physiology course and for all advanced (Level III) Physiology courses at UNSW: Cardiovascular Physiology and Pathophysiology (PHSL3211), Endocrine, Reproductive and Developmental Physiology (PHSL3221), Neurophysiology (NEUR3221), Molecular and Cellular Neuroscience (NEUR3121), and Muscle and Motor Control (NEUR3101). Physiology courses

compliment the subjects offered by other areas within the School of Biomedical Science (i.e. Anatomy, Pharmacology, Pathology and Health and Exercise Science) as well as courses taught in biological science, biomolecular science and genetics, psychology, biomechanics, vision science, food science and nutrition, medical microbiology and immunology, and engineering.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Explain the fundamental principles underlying the function of the individual body systems covered, which include cell physiology, muscle, blood, the cardiovascular system and the nervous system.
CLO2 : Apply and integrate your knowledge of the relevant body systems to describe how the body mediates cell communication and maintains homeostasis.
CLO3 : Demonstrate basic skills in experimental physiology with a focus on collecting, analysing and interpreting data.

Course Learning Outcomes	Assessment Item
CLO1 : Explain the fundamental principles underlying the function of the individual body systems covered, which include cell physiology, muscle, blood, the cardiovascular system and the nervous system.	<ul style="list-style-type: none">• Mid-term theory test• End of term exam• Online tutorial modules• Post-lab revision modules
CLO2 : Apply and integrate your knowledge of the relevant body systems to describe how the body mediates cell communication and maintains homeostasis.	<ul style="list-style-type: none">• Mid-term theory test• End of term exam• Online tutorial modules• Post-lab revision modules
CLO3 : Demonstrate basic skills in experimental physiology with a focus on collecting, analysing and interpreting data.	<ul style="list-style-type: none">• End of term exam• Post-lab revision modules

Learning and Teaching Technologies

Moodle - Learning Management System | Microsoft Teams

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.

The teaching activities are centred on assisting you to achieve the course aims and learning objectives in an environment which interests and challenges you. The teaching of Physiology 1A is structured around established knowledge of the fundamental processes and mechanisms that serve and control the various functions of the body. Content is delivered by discipline experts, drawn from different research areas.

Physiology 1A comprises weekly lectures, practical classes each fortnight, and a series of supporting online learning activities. Lectures will provide you with the concepts and theory essential for an understanding of the fundamental processes of body function. The practical classes assist in the development of research and analytical skills, and further learning of the key objectives. Physiology is an experimental discipline, and the practical work allows you to obtain insights into the development of knowledge and experimental approaches. The online learning activities are designed to review the materials and support deeper exploration. You are strongly recommended to allocate additional time for self-directed study, which includes revision for assessments. Effective learning can also be enhanced through self-directed use of other resources such as textbooks, literature references and web-based sources.

Additional Course Information

The Department of Physiology is part of the School of Biomedical Sciences and is within the Faculty of Medicine and Health. It is located on the 2nd and 3rd floors of the East and West Wings of the Wallace Wurth Building. Professor Gary Housley is Head of Department and appointments to see him may be made through email (G.Housley@unsw.edu.au).

Human Physiology A is a 6 unit of credit course which will be delivered in a blended mode. There will be no face-to-face lectures; instead lecture material will be incorporated into an online delivery mode combining short videos, text, activities and quizzes. There will be a series of synchronous online Q&A sessions at 4pm most Mondays for students to ask questions and clarify any issues which may have arisen from the previous weeks lecture material. There are also some additional synchronous online Q&A sessions in certain weeks to make up for sessions missed due to public holidays and for exam revision sessions. Please refer to the course schedule for details of these.

There are online tutorials relating to all the major topic areas. These are designed to complement and enhance your understanding of the lecture material. Online tutorials allow you to engage in a more interactive form of learning than is possible in the lectures.

Practical classes are a core experience in your degree and are a major component of our course. Practical classes provide the opportunity to acquire valuable generic skills. Practical classes will be directly related to the lecture material, and it is essential that you read the practical notes (available via Moodle). Students should enrol in a practical group. You will be divided into small working teams of approximately 6 students within your practical group at the beginning of the term and you will remain in these teams throughout the term. These practicals comprise a fortnightly 3-hour laboratory session during which you will work in your teams and carry out the laboratory exercises outlined in the practical notes. All students will complete 7 practical classes; 4 of the 7 practicals (Fun with Blood, Skeletal Muscle, Introduction to the Cardiovascular System and Sensory Physiology) will be run as face-to-face classes in our teaching laboratories in the Wallace Wurth Building, while the remaining 3 practical classes will be self-directed online practical classes. All 7 practical classes are examinable in the final examination.

The first self-directed online practical class is the Health and Safety practical, and this **must** be completed prior to attending your first face-to-face practical. Completion of this practical will be monitored, and students will not be allowed to enter the laboratory unless this has been done.

The second self-directed online practical class is the Cell Physiology – Membrane Potential Virtual Lab. It is recommended that students complete this virtual lab during weeks 1 and 2 after engaging with the Cell Physiology lecture series. Note that it will remain open for the duration of the term should students wish to access it again for revision purposes.

The third self-directed online practical class is the Electrical and Mechanical Events in the cardiac cycle module. This is best attempted after the CVS lectures covering this material.

For each face-to-face practical class, we have designed an online pre-laboratory module to enable you to understand what you will be doing in that particular class and to outline important Health and Safety information relating to the practical. You are required to complete this module before attending the relevant practical and will not be allowed into the class if this has not been completed.

Laboratory Regulations and Behaviour

Health and Safety is a primary concern for both students and staff working in any laboratory.

The following regulations MUST be adhered to when participating in Physiology practical classes:

- Each practical class has a student risk assessment (SRA) and a student safe working procedure (SSWP) associated with it.
- The SRA identifies the hazards and risks associated with the particular practical and outlines appropriate controls that must be followed to minimize these risks. The SRA also lists the personal protective equipment (PPE) that students are required to wear for that class, emergency procedures and clean up and waste disposal instructions.
- The SSWP provides background information relating to the class and outlines the procedures to be carried out in that class.
- Students must read the practical notes and sign the SRA prior to commencing the class.
- In each laboratory there are also more comprehensive school approved risk assessments, associated safe work procedures and safety data sheets (SDS) for each particular class. You may refer to these if you require further information. First aid kits and specific spill kits are also located in the laboratories.
- If any accidents or incidents occur, they should be reported immediately to the demonstrator in charge of the class who will record the incident and recommend what further action is required.
- Students are required to wear the appropriate PPE for each class.
- Enclosed shoes are mandatory for entering any laboratory and you will not be permitted to participate in the practical if you are not wearing appropriate footwear. Most practical classes will also require a lab coat which you must provide. You must regularly wash your lab coat. If you do not bring your lab coat to these classes, you will not be able to participate.
- Many classes will require you to wear gloves (which will be provided). Gloves must be removed before writing in lab books and using computers or other electrical equipment.
- You must not wear lab coats or gloves outside the laboratory.
- You must not eat or drink in any laboratory.
- Students are expected to arrive on time. Any student arriving more than 10 minutes late may be refused entry.
- Mobile phones should be turned off before entering the class.
- Laboratory computers may only be used for work relating to the practical class.
- It is expected that students behave appropriately in laboratory classes. In the event of inappropriate behaviour students may be asked to leave.
- It is of course vital that animals used in practical classes **MUST** be treated humanely and with respect. Taking photos or videos is **ABSOLUTELY UNACCEPTABLE** and will result in removal from the class and a referral to the Head of Department.

The procedures used in the laboratory classes involving the use of animals have been approved by the UNSW Animal Ethics Committee on the Use of Animals in Research and Teaching (Approval Number: ACEC 22/54B expiring on May 17, 2025).

Experiments in this course which involve the use of human subjects, have been considered and approved by the School of Biomedical Sciences Teaching Ethics Committee on Experimental Procedures Involving Human Subjects for teaching. Practical classes involving your participation as a subject requires you to read the Participant information sheet and sign a witnessed,

informed consent form.

It is up to you to ensure you perform well in each part of the course: keeping up with the lecture material posted on Moodle, attending the weekly online question and answer sessions, engaging with the tutorials, making full use of the pre and post laboratory modules, studying for exams and seeking assistance to clarify your understanding. Online feedback quizzes and past exam questions are provided to assist you in preparing for examinations.

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Mid-term theory test Assessment Format: Individual	20%	Start Date: 13/03/2024 09:00 AM Due Date: 13/03/2024 10:00 AM
End of term exam Assessment Format: Individual	60%	Start Date: Exam period - exact dates/times to be advised. Due Date: Exam period - exact dates/times to be advised.
Online tutorial modules Assessment Format: Individual	10%	Start Date: The online tutorial modules should be attempted after completing the relevant lectures. Due Date: Please refer to Moodle for the due date for each online tutorial module.
Post-lab revision modules Assessment Format: Individual	10%	Start Date: The post-laboratory revision modules should be attempted after attending the relevant practical class. Due Date: See Moodle for due dates of individual post-laboratory revision modules.

Assessment Details

Mid-term theory test

Assessment Overview

The mid-term theory test will test your understanding of the lecture and tutorial material covered prior to the test. It will consist of multiple choice questions and short answer questions. Feedback is provided through individual and cohort marks released to you following the assessment via the learning management system.

Course Learning Outcomes

- CL01 : Explain the fundamental principles underlying the function of the individual body systems covered, which include cell physiology, muscle, blood, the cardiovascular system and the nervous system.

- CLO2 : Apply and integrate your knowledge of the relevant body systems to describe how the body mediates cell communication and maintains homeostasis.

Detailed Assessment Description

Date: Wednesday 13th March 2024

Time: 8.15 am (test check-in)

9.00 - 10.00 am (test duration)

Format: This test will consist of

- 10 multiple choice questions on material covered in all Cell Physiology, Muscle and Autonomic Nervous System (ANS) lectures and tutorials, and
- Two 15-minute short answer questions - one on Cell Physiology and one on Muscle.

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

Assessment Length

50 minutes

Submission notes

No short extension is available for this assessment task.

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 this test.

Assignment submission Turnitin type

Not Applicable

End of term exam

Assessment Overview

The end of term exam is in two Parts. Part 1 will test your understanding of the lecture and tutorial material covered in the second part of the course. It will consist of multiple choice questions and short answer questions. Part 1 is worth 35% of the total course marks. Part 2 will test your understanding of the material covered in the practical classes throughout the whole

course. Part 2 is comprised of multiple choice questions and is worth 25% of the total course marks. Both parts will be scheduled during the official exam period. Feedback is provided through individual and cohort marks via the learning management system following the official release of marks.

Course Learning Outcomes

- CLO1 : Explain the fundamental principles underlying the function of the individual body systems covered, which include cell physiology, muscle, blood, the cardiovascular system and the nervous system.
- CLO2 : Apply and integrate your knowledge of the relevant body systems to describe how the body mediates cell communication and maintains homeostasis.
- CLO3 : Demonstrate basic skills in experimental physiology with a focus on collecting, analysing and interpreting data.

Detailed Assessment Description

End of Term Examination Part 1 covers topics in the second half of the course and consists of

- 20 MCQs on material covered in all CVS, Blood and Neurophysiology lectures and tutorials, and
- Three 15-minute short answer questions: one on CVS, one on Blood and one on Neurophysiology.

End of Term Examination Part 2 covers material from the Practical Classes throughout the whole course (face-to-face and online) and consists of 30 MCQs.

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

Assessment Length

Part 1 is 85 minutes in duration and Part 2 is 60 minutes in duration.

Submission notes

No short extension is available for this assessment task.

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 this examination.

Assignment submission Turnitin type

Not Applicable

Online tutorial modules

Assessment Overview

Online tutorial modules summarise key concepts and knowledge of lecture topics covered in the course. There are tutorial modules on five topics to be completed during the term and the due dates are provided in the learning management system. Quiz questions are incorporated into the modules and you will receive immediate feedback on submitted answers. The modules are to be completed in your own time and can be attempted multiple times prior to the due date. The due dates are provided in the learning management system. You need to achieve a mark of at least 90% in the quiz to receive a mark for the module.

Course Learning Outcomes

- CL01 : Explain the fundamental principles underlying the function of the individual body systems covered, which include cell physiology, muscle, blood, the cardiovascular system and the nervous system.
- CL02 : Apply and integrate your knowledge of the relevant body systems to describe how the body mediates cell communication and maintains homeostasis.

Detailed Assessment Description

There are 5 online tutorials for which you will be required to interact and provide answers to questions online in Moodle. These online tutorials are related to each of the major lecture topics - Cell Physiology, Muscle, Cardiovascular System (CVS), Blood and Neurophysiology. Within each of these major tutorial topics, some are broken down into smaller sub-topic modules (e.g. Cell Physiology part 1, part 2, and part 3; see Moodle for details).

Each of the major tutorial topics contribute 2% towards the final course grade. The grades for the smaller sub-topic modules within a major topic are equally weighted and thus depend on the number of smaller modules within that topic (e.g. for muscle there are 4 sub-topic modules, which are each worth 0.5%, whereas for the Cardiovascular System, there are only 2 sub-topic modules, which are therefore each worth 1%). The grades for the tutorial sub-topic modules are available in Moodle.

You can attempt these tutorials as many times as you wish but remember that you need to achieve a minimum score of 90% in a particular tutorial module by the due date in order to be awarded the grade for that module. If you do not achieve the required minimum score, the gradebook will either show no grade or a zero grade for that particular module and you will need

to attempt it again before the due date.

Detailed information about this assessment will be provided on the course Moodle page. Please refer to Moodle for the due dates for each online tutorial module.

Absolutely no extensions on due dates will be given.

Submission notes

No short extension is available for this assessment task.

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.

The use of AI is not recommended as it is unlikely to be of benefit in completing this assessment task.

Assignment submission Turnitin type

Not Applicable

Post-lab revision modules

Assessment Overview

Post-lab revision modules support each of the face-to-face laboratory practical classes. These modules help you analyse and interpret the results and conclusions of the practical class. The modules contain embedded quiz questions with immediate feedback provided on the submitted answers. The modules are to be completed in your own time and can be attempted multiple times prior to the due date. The due dates are provided in the learning management system. You need to achieve a mark of at least 90% in the quiz to receive a mark for the module.

Course Learning Outcomes

- CL01 : Explain the fundamental principles underlying the function of the individual body systems covered, which include cell physiology, muscle, blood, the cardiovascular system and the nervous system.
- CL02 : Apply and integrate your knowledge of the relevant body systems to describe how the body mediates cell communication and maintains homeostasis.
- CL03 : Demonstrate basic skills in experimental physiology with a focus on collecting, analysing and interpreting data.

Detailed Assessment Description

There are 4 post-laboratory revision modules, one for each of the face-to-face practical classes: Fun with Blood, Skeletal Muscle, Introduction to CVS and Sensory Physiology. These should be completed after the respective practicals as they have been designed to consolidate your understanding of the material covered in the practical.

Each post-laboratory revision module is accessed via Moodle and contributes 2.5% towards the final course grade. You will be required to interact and provide answers to questions online in Moodle, and you will receive feedback to help you understand why your answers are correct or incorrect.

Remember that you need to achieve a minimum score of 90% in a particular post-laboratory revision module by the due date in order to be awarded the grade for that module. If you do not achieve the required minimum score, the gradebook will either show no grade or a zero grade for that particular module and you will need to attempt it again before the due date.

Absolutely no extensions on due dates will be given.

Detailed information about this assessment will be provided on the course Moodle page. Please refer to Moodle for the due dates for each post-laboratory revision module.

Submission notes

No short extension is available for this assessment task.

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.

The use of AI is not recommended as it is unlikely to be of benefit in completing this assessment task.

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](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 1 : 12 February - 18 February	Lecture	Cell Physiology Lectures 1-3
	Laboratory	Fun with Blood Practical (Groups 1-3) Cell Physiology online laboratory
	Online Activity	Monday 4-5pm: Course Introduction and Animal Ethics question and answer session
Week 2 : 19 February - 25 February	Lecture	Cell Physiology lectures 4-6
	Laboratory	Fun with Blood Practical (Groups 4-6) Cell Physiology online laboratory
	Online Activity	Monday 4-5pm: Cell Physiology question and answer session
Week 3 : 26 February - 3 March	Lecture	Muscle Lectures 1-3
	Laboratory	Skeletal Muscle Practical (Groups 1-3)
	Online Activity	Monday 4-5pm: Cell Physiology question and answer session
Week 4 : 4 March - 10 March	Lecture	Autonomic Nervous System lecture Cardiovascular lectures 1-2
	Laboratory	Skeletal Muscle Practical (Groups 4-6)
	Online Activity	Monday 4-5pm: Muscle question and answer session
Week 5 : 11 March - 17 March	Lecture	Cardiovascular lectures 3-5
	Online Activity	Monday 4-5pm: Midterm exam revision question and answer session
	Other	Wednesday 13th March 8.30am: Mid-term test
Week 7 : 25 March - 31 March	Lecture	Cardiovascular lectures 6-8
	Laboratory	Introduction to the Cardiovascular System practical (Groups 1-3) Online practical - Electrical & Mechanical Events in the Cardiac Cycle
	Online Activity	Monday 4-5pm: Cardiovascular question and answer session
Week 8 : 1 April - 7 April	Lecture	Blood lectures 1-3
	Laboratory	Introduction to the Cardiovascular System practical (Groups 4-6) Online practical - Electrical & Mechanical Events in the Cardiac Cycle
	Online Activity	Wednesday 9-10am: Cardiovascular question and answer session
Week 9 : 8 April - 14 April	Lecture	Neurophysiology Lectures 1-3
	Laboratory	Sensory Physiology practical (Groups 1-3)
	Online Activity	Monday 4-5pm: Blood question and answer session
Week 10 : 15 April - 21 April	Lecture	Neurophysiology lectures 4-6
	Laboratory	Sensory Physiology practical (Groups 4-6)
	Online Activity	Monday 15th April 4-5pm: Theory and Practical Exam question and answer session Wednesday 17th April 9-10am: Neurophysiology question and answer session

Attendance Requirements

You are expected to attend all face-to-face laboratory classes unless you have a medical or other valid reason for non-attendance. It is really important that you register your attendance in each practical class by ensuring that you get your name marked off the class roll.

Satisfactory completion of the work set for each class is essential and is a **requirement for passing physiology**. Non-attendance for other than documented medical or other serious reasons may make you ineligible to successfully complete this course. At the very least you may

be required to complete written reports on the practical classes, as well as undertaking the normal practical exam.

Students who miss practical classes due to illness or for other reasons must submit a medical certificate **WITHIN 7 DAYS** of missing a class. If received after this time, no consideration will be given, and you will be marked absent from that class. Medical certificates may be sent via email to the course convenors (Phys1a@unsw.edu.au), submitted to academic staff during lab time, or left with a member of the technical staff located in room 118 East Wing Wallace Wurth Building.

The following details must be provided along with the medical certificate: Name, Student number, Group number, Date of the class, Name of class missed.

Please note that you are **NOT** required to apply for special consideration via Online Services in myUNSW for a missed practical class. The Special Considerations unit will **NOT** process these applications.

The practical component of the final exam is compulsory **FOR ALL STUDENTS**.

Important note regarding COVID-19 and attendance

It is important that we highlight safety precautions relating to COVID-19 and attendance. You should not attend campus if you are unwell or experiencing any COVID-19 or respiratory symptoms. If you are unwell, please take the time you need to recover. If you have mild symptoms but are well enough to study, we urge you to study from home until your symptoms have cleared. Staying off campus when you have symptoms will ensure that we continue to protect everyone in our community, especially the most vulnerable.

If you were on campus during your infectious period, (2 days before onset of symptoms or positive test), please let us know immediately by submitting the UNSW COVID-19 Case Notification [form](#). We use this information to alert our community members to the sites of potential exposure on campus.

Household and close contacts of COVID-19 do not need to self-isolate. However, you should not attend campus if you are unwell or experiencing any COVID-19 or respiratory symptoms. If you are unwell, please follow the advice above.

Students who miss practical classes due to infection with COVID-19 are not required to provide any medical documentation, however you **must** contact the course convenors

(Phys1a@unsw.edu.au) to inform them of your absence.

Please refer to the UNSW COVID 19 Coronavirus Advice & FAQs – Information for Students for further information relating to keeping the UNSW community safe from COVID-19: <https://www.covid-19.unsw.edu.au/information-students>

General Schedule Information

The times and locations of classes can be found on [myUNSW](#) under Class Timetable. Please note that your myUNSW timetable will show that you have a practical class each week, however, you will only be attending a practical class every fortnight. You will be advised of your specific practical group and practical schedule via Moodle at the beginning of the course.

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

Prescribed Resources

We will be using the UNSW Moodle learning management system to provide you with information about the course and access to online resources. Lecture notes, online modules, access to your grades, course documents and reference material can all be found on the course Moodle site. For System Requirements for Moodle refer to: <https://www.student.unsw.edu.au/moodle-system-requirements>

All resources such as textbooks and some reference materials are available through Moodle. The textbook for this course is:

PRINCIPLES OF HUMAN PHYSIOLOGY by Cindy L. Stanfield, Global Edition (6th edition), 2016, published by Pearson Education. Books are available from the UNSW bookshop.

This textbook comes with an online platform called Mastering A&P which contains some useful interactive modules. We have selected some of these interactive modules which provide a good supplement to the lecture and tutorial material and will help with revision of this material. You will not be examined on this material specifically as it really serves to clarify and consolidate your understanding of the lecture content. There is no set time allocated for these suggested self-study sessions. You are encouraged to work through these sessions in your own time. Please refer to the section on self-study sessions for further details, including how to access

these modules.

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. Significant changes to the course will be communicated to subsequent cohorts of students taking the course. 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.

We also gain feedback from the student body through our student representatives and so once again we are seeking student representatives for our term 1 2024 course. Ideally, we would like to have two representatives from each of our different cohorts (Science, Medical Science, Engineering and Optometry). In terms of commitment, it is expected that we would meet with student representatives about twice during the term. During these meetings representatives will have the opportunity to report on any feedback relating to the course that has been gathered from peers. Being a student representative gives you the opportunity to provide a voice for your student cohort and is a role that can be listed on your CV. Please email Dr Nicole Marden (Phys1a@unsw.edu.au) if you would like to be a student representative or if you would like any further information.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Lesley Ulman		Room 235 Wallace Wurth Building East Wing	(02) 9385 3601	By appointment, requests via email.	Yes	Yes
	Nicole Marden		Room 235 Wallace Wurth Building East Wing	(02) 9065 0453	By appointment, requests via email.	No	No
Lecturer	Andrew Moorhouse					No	No
	Frederic von Wegner				By appointment, requests via email.	No	No
	Tim Murphy		Room 316 WWNW	9065 9806	By appointment, requests via email.	No	No
	Richard Vickery				By appointment, requests via email.	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 Plagiarism

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

Short extensions and special consideration

Short extension

Commencing in Term 1, 2024, UNSW has introduced a short extension procedure for submission of assessment tasks. Not all tasks are eligible, and eligible tasks have a predetermined extension length. UNSW Medicine and Health have set School-level extension lengths for eligible assessment tasks. See your course assessment descriptions for more information.

Students must check the availability of a short extension in the individual assessment task information for their courses.

Short extensions do not require supporting documentation. They must be submitted before the assessment task deadline. No late applications will be accepted.

Late penalties apply to submission of assessment tasks without approved extension.

Special consideration

In cases where short term events beyond your control affect your performance in a specific assessment task you may formally apply for [Special Consideration](#) through myUNSW.

UNSW has a **Fit to Sit rule**, which means that by sitting an examination on the scheduled date, you are declaring that you are fit to do so and cannot later apply for Special Consideration. Examinations include centrally timetabled examinations and scheduled, timed examinations and tests managed by your School.

Important information relating to Short Extension and Special Consideration is available [here](#), including eligibility for Special Consideration, circumstances where students with Equitable Learning Plans can apply for Short Extensions and Special Consideration, and the appeals process.

Examinations

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

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>

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](#).

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

For MSc. HDS students: School Grievance Officer, Dr Sanja Lujic (s.lujic@unsw.edu.au), Centre for Big Data Research in Health