UNSW Course Outline

SCIF1111 Perspectives in Medical Science - 2024

Published on the 30 Jan 2024

General Course Information

Course Code : SCIF1111
Year : 2024
Term : Term 1
Teaching Period : T1
Is a multi-term course? : No
Faculty : Faculty of Science
Academic Unit : School of Biological, Earth and Environmental Sciences
Delivery Mode : Multimodal
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

The course is intended for first-year students in the Medical Science Program and introduces students to the skills required by a professional in the area of medical research. These include communication skills, the ability to access and evaluate scientific information, the management

of projects, the development of high ethical standards and an understanding of the impact and opportunities of science. Student will have the opportunity to explore discipline-specific topics and career opportunities in their field. The historical and philosophical component of the course provides students with a foundation and origin of current research and practice. This content will be delivered through lectures, tutorials and guided group work. No prior science knowledge is required.

Course Aims

The course aims to provide foundational skills and attributes that students can apply in subsequent stages of their studies or professional life. Skills and attributes include effective communication, teamwork, ethics, career development, literature analysis and scientific methodology. The course will also provide an introduction into the history and philosophy of medical science.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Effectively communicate through written and verbal modalities.
CLO2 : Combine discipline-specific knowledge and professional skills to work collaboratively as part of a team.
CLO3 : Identify the required skills and opportunities for a professional career.
CLO4 : Understand the development of medicine and scientific thought.

Course Learning Outcomes	Assessment Item
CLO1 : Effectively communicate through written and verbal modalities.	• Group Presentation • Internship application • Tutorial assessments
CLO2 : Combine discipline-specific knowledge and professional skills to work collaboratively as part of a team.	• Group Presentation • Tutorial assessments
CLO3 : Identify the required skills and opportunities for a professional career.	• Internship application • Tutorial assessments
CLO4 : Understand the development of medicine and scientific thought.	• History of Medicine and Science module

Learning and Teaching Technologies

Moodle - Learning Management System | Zoom

Learning and Teaching in this course

Specific rules on the use of generative AI

Assessment 1: Group Presentation:

Generative AI allowed for initial research, but output needs to be “fact checked”.

Generative NOT allowed for final scripting, video/image generation or peerassessment.

Assessment 2: Internship application:

Generative AI allowed for initial research, but output needs to be “fact checked”.

Generative AI NOT allowed to draft or write final document.

Assessment 3 & 4 :Tutorial and lecture assessments:

Generative AI NOT allowed to be used to answer questions or generate text.

If the outputs of generative AI form a part of your assessment submission, it will be regarded as serious academic misconduct and subject to the standard penalties, which may include 00FL, suspension and exclusion (see also student.unsw.edu.au/conduct).

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Group Presentation Assessment Format: Group	35%	
Internship application Assessment Format: Individual	36%	Due Date: 19/04/2024 05:00 PM
Tutorial assessments Assessment Format: Individual	21%	
History of Medicine and Science module Assessment Format: Individual	8%	Start Date: Monday 12 pm in week 2-5 Due Date: Sunday 11 pm in week 2-5

Assessment Details

Group Presentation

Assessment Overview

Professional skills and scientific knowledge are rarely used in isolation and in this assessment you will apply them within a group setting.

In this assessment task a small group of you (4-5 people) will collaborate to:
a) research a topic in an area of your scientific interest and
b) produce a short video presentation that presents your findings.

There are several components that will contribute to the overall assessment of this project and which are due at different times throughout the term. These are:

• Group agreement (due week 4, worth 2%, group-based mark)
• Planning presentation (due week 6, worth 3%, group-based mark)
• Final video presentation (due week 9, worth 25%, group-based mark)
• Peer assessment (due week 10, worth 5%, individual-based mark)

To facilitate your group work, you will be provided with the following:
a) a group forum where you can virtually meet and plan activities
b) a group agreement, where you plan your tasks and which you will receive feedback for
c) support for any conflict resolution
d) face-to-face meeting with the course convenors

Course Learning Outcomes

- CLO1 : Effectively communicate through written and verbal modalities.
- CLO2 : Combine discipline-specific knowledge and professional skills to work collaboratively as part of a team.

Assessment information

Group agreement is due Friday, 8 March 2024, 5:00 PM.

Planning presentation is due Sunday, 24 March 2024, 11:00 PM.

Final video presentation is due Thursday, 11 April 2024, 11:00 PM.

Peer assessment is due Friday, 19 April 2024, 5:00 PM.

Assignment submission Turnitin type

This is not a Turnitin assignment

Internship application

Assessment Overview

Securing an interesting employment or getting started on your chosen career is (hopefully) one of the outcomes of your studies at UNSW.

In this assessment you will be guided through a process of research and reflection that will identify areas of future employment and how your current skills and experiences fit into them.

You will then use the skills learnt in the course to write an internship application based in your research and reflection.

The internship application is due in week 10 and will contribute to 36% of your final mark based on a set of marking criteria.

Course Learning Outcomes

- CLO1 : Effectively communicate through written and verbal modalities.
- CLO3 : Identify the required skills and opportunities for a professional career.

Assessment Length

Two (2) pages maximum, double-line spacing and 2 cm margins on all sides of an A4 paper. Use the fonts Arial or Calibri

Assignment submission Turnitin type

This assignment is submitted through Turnitin and students can see Turnitin similarity reports.

Tutorial assessments

Assessment Overview

The weekly tutorial program will teach the professional skills and attributes that form the foundation of this course. The tutorials will be online or in-person and will have various small assessment tasks associated with them - some involving your ability to work collaboratively in a multidisciplinary group. These are designed to assess your understanding of the content taught. Assessment tasks include quizzes and short written submissions that are due in the week of the tutorial and account together for 21% of the course mark.

Course Learning Outcomes

- CLO1 : Effectively communicate through written and verbal modalities.
- CLO2 : Combine discipline-specific knowledge and professional skills to work collaboratively as part of a team.

- CLO3 : Identify the required skills and opportunities for a professional career.

History of Medicine and Science module

Assessment Overview

Medical research has a long history and has been strongly influenced by human thinking over the centuries.

In this assessment task you will listen to a series of lectures that cover various aspects of the history and philosophy of medical science.

Lectures will be online and asynchronous. Your understanding of the content will be assessed by a series of quizzes after the lectures and contribute to a total of 8% of your course mark. Feedback will be provided for each quiz.

Course Learning Outcomes

- CLO4 : Understand the development of medicine and scientific thought.

Assignment submission Turnitin type

Not Applicable

General Assessment Information

Grading Basis

Standard

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 12 February - 18 February	Seminar	Course introduction seminar
	Tutorial	Building a career in science
Week 2 : 19 February - 25 February	Tutorial	Writing for Readers
	Group Work	Topic selection and group formation
	Lecture	Science lecture 1
Week 3 : 26 February - 3 March	Tutorial	Visual and oral presentation
	Group Work	Personality test and group meetings
	Group Work	Calibration exercise
	Lecture	Science lecture 2
Week 4 : 4 March - 10 March	Tutorial	Searching and understanding scientific literature
	Assessment	Group agreement due
	Lecture	Science lecture 3
Week 5 : 11 March - 17 March	Tutorial	Scientific literacy 1: data processing, analyses, synthesis and beyond
	Lecture	Science lecture 4
Week 6 : 18 March - 24 March	Assessment	Planning presentation due
Week 7 : 25 March - 31 March	Tutorial	Scientific literacy 2: Reproducibility crisis, transparency and questionable research practices
Week 8 : 1 April - 7 April	Tutorial	Ethics
Week 9 : 8 April - 14 April	Tutorial	Impact of science on policy
	Assessment	Final presentation due
Week 10 : 15 April - 21 April	Assessment	Peer-review of presentations due
	Assessment	Internship application due

Attendance Requirements

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

Course Resources

Prescribed Resources

nil

Recommended Resources

nil

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
	Torsten Thomas					Yes	Yes

Other Useful Information

Academic Information

Upon your enrolment at UNSW, you share responsibility with us for maintaining a safe, harmonious and tolerant University environment.

You are required to:

- Comply with the University's conditions of enrolment.
- Act responsibly, ethically, safely and with integrity.
- Observe standards of equity and respect in dealing with every member of the UNSW community.
- Engage in lawful behaviour.
- Use and care for University resources in a responsible and appropriate manner.
- Maintain the University's reputation and good standing.

For more information, visit the UNSW Student Code of Conduct Website.

Academic Honesty and Plagarism

Referencing is a way of acknowledging the sources of information that you use to research your assignments. You need to provide a reference whenever you draw on someone else's words, ideas or research. Not referencing other people's work can constitute plagiarism.
Further information about referencing styles can be located at https://student.unsw.edu.au/referencing

Academic integrity is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits: honesty, trust, fairness, respect, responsibility and courage. At UNSW, this means that your work must be your own, and others' ideas should be appropriately acknowledged. If you don't follow these rules, plagiarism may be detected in your work.
Further information about academic integrity, plagiarism and the use of AI in assessments can be located at:

- The Current Students site,
- The ELISE training site, and
- The Use of AI for assessments site.

The Student Conduct and Integrity Unit provides further resources to assist you to understand

your conduct obligations as a student: https://student.unsw.edu.au/conduct

Submission of Assessment Tasks

Penalty for Late Submissions

UNSW has a standard late submission penalty of:

- 5% per day,
- for all assessments where a penalty applies,
- capped at five days (120 hours) from the assessment deadline, after which a student cannot submit an assessment, and
- no permitted variation.

Any variations to the above will be explicitly stated in the Course Outline for a given course or assessment task.

Students are expected to manage their time to meet deadlines and to request extensions as early as possible before the deadline.

Special Consideration

If circumstances prevent you from attending/completing an assessment task, you must officially apply for special consideration, usually within 3 days of the sitting date/due date. You can apply by logging onto myUNSW and following the link in the My Student Profile Tab. Medical documentation or other documentation explaining your absence must be submitted with your application. Once your application has been assessed, you will be contacted via your student email address to be advised of the official outcome and any actions that need to be taken from there. For more information about special consideration, please visit: https://student.unsw.edu.au/special-consideration

Important note: UNSW has a "fit to sit/submit" rule, which means that if you sit an exam or submit a piece of assessment, you are declaring yourself fit to do so and cannot later apply for Special Consideration. This is to ensure that if you feel unwell or are faced with significant circumstances beyond your control that affect your ability to study, you do not sit an examination or submit an assessment that does not reflect your best performance. Instead, you should apply for Special Consideration as soon as you realise you are not well enough or are otherwise unable to sit or submit an assessment.

Faculty-specific Information

Additional support for students

- The Current Students Gateway
- Student Support
- Academic Skills and Support
- Student Wellbeing, Health and Safety
- Equitable Learning Services
- UNSW IT Service Centre
- Science EDI Student Initiatives, Offerings and Guidelines