
MEDI160: Scientific Literacy

Subject Outline

6 credit points

Subject Information

Autumn, 2026, Wollongong & Liverpool
On Campus

Flexible Delivery A combination of online and on-campus or location based components where the on-campus/location component is compulsory

Subjects with a delivery mode of On Campus and/or Flexible with International Student enrolments will be delivered in accordance with the ESOS National Code. That is, online learning experiences (such as lectures, tuition, and resources) will be supplementary to in-person learning experiences such as scheduled classes and/or scheduled contact hours.

UOW may need to modify teaching locations, teaching delivery, and assessment delivery at short notice in response to unforeseen circumstances such as health or environmental factors.

For up-to-date information please refer to your subject's Moodle site.

The Faculty of Science, Medicine and Health

The Faculty of Science, Medicine and Health offers a range of undergraduate and postgraduate programs designed to meet the needs of a diverse student population. We carry out world-leading research which is strongly aligned with our teaching program

As a student of our faculty, you will be actively engaged in learning with extensive clinical, laboratory and/or field work experiences, use of advanced educational technologies and opportunities for enriching work experience. More information about the Faculty of Science, Medicine and Health and our School is available on our web pages: <https://www.uow.edu.au/science-medicine-health/>

Within many of our courses, attending a workplace experience or clinical placement is an exciting part of your course program. Whilst integral to your learning, these health-related placements also let you experience what it's like to work as a professional in real-life workplace settings. More information about requirements for Health Placements is available on our webpage: <https://www.uow.edu.au/student/health-placements/>

Teaching Staff

Teaching Role	Coordinator
Name	Dr Saurabh Satija
Email	ssatija@uow.edu.au
Room	41.230
Consultation Times	Monday 13:00 - 15:00 (In-Person at Wollongong Campus - Email for Appointment) Tuesday 12:30 - 14:30 (In-person at Liverpool Campus - Email for Appointment) Friday 10:00 - 15:00 (Online - Email for Appointment)

Teaching Staff Additional Information

There may be other academics teaching a few topics of MEDI160. Refer to each of their lecture slides for contact details.

Expectations of Students

UOW values are intellectual openness, excellence and dedication, empowerment and academic freedom, mutual respect and diversity, recognition and performance. We will provide a safe, equitable and orderly environment for the University community, and expect each member of our community to behave responsibly and ethically ([Student Conduct Rules](#)).

We expect that students demonstrate these values and professional behaviour, both face to face and online, making genuine efforts to complete their studies successfully, arriving on time to class, taking part constructively in class discussions and activities, demonstrating appropriate professional and ethical conduct in all communication with UOW staff and community members, and submitting assignments on time (or completing a request for Academic Consideration in advance if needed).

Guiding Communication Principles for Students

Moodle Announcements will be the primary platform for communication of general information to students

- Students should ensure they regularly check the main announcements forum at the top of each subject's Moodle site. Information distributed via a Moodle Announcement MAY not be duplicated on any other forum on the Moodle site.
- Moodle Discussion forums pertinent to specific assignments will be used but will not replace or be used for overarching subject announcements.
 - Assignment discussion forums for specific assignments will be clearly labelled in the forum description to identify the purpose of the forum (e.g. 'Please ask any questions you have about Assessment Task 1 in this discussion forum') - students should check and ask any assignment questions on these forums and not through email.
 - The Moodle assignment discussion forums should always be used in the first instance when inquiring about assessment tasks.
- It is the student's responsibility to check all subject Moodle sites regularly for information and notifications.

SOLS messages will be used for all central communication relating to the following:

- Administrative matters relating to student enrolment
- Critical information relating to course or subject, e.g. Changes to assignments, policy updates, class cancellations or changes
- Timetable information
- Security and emergency information
- Students are encouraged to check SOLS messages daily as these messages are often of high priority

SOLS and Moodle announcements can NOT be responded to.

Appropriate Online Behaviour

The University is committed to providing a safe, respectful, equitable and orderly environment for the University community, and expects each member of that community to behave responsibly and ethically. Students must comply with the University's [Student Conduct Rules](#) and related policies including the [IT Acceptable Use Policy](#) and [Bullying Prevention Policy](#), whether undertaking their studies face-to-face, online.

For more information on appropriate communication and etiquette in the online environment please refer to the guide [Online and Email Etiquette](#).

Copyright

Commonwealth of Australia

Copyright Regulations 1969

© 2026 University of Wollongong

The original material prepared for this guide is covered by copyright. Apart from fair dealing for the purposes of private study, research, criticism or review, as permitted under the Copyright Act, no part may be reproduced by any process without written permission.

Hardcopies of this document are considered uncontrolled please refer to your Moodle site for the latest version.

Table of Contents

Section A: General Information	7
Learning Outcomes	7
Subject Learning Outcomes	7
Subject Description	7
Course Handbook	7
Subject Details: Practical Activities, eLearning, Readings and Materials	7
Subject eLearning	7
Safety Guidelines	7
FOUNDATIONAL Work Integrated Learning	8
Using Generative Artificial Intelligence (GenAI)	8
Lectures, Tutorials and Attendance Requirements	8
Lecture Times *	8
Lecture Program *	8
Recording of Teaching and Learning Activities	10
Your Privacy - Recording of Teaching and Learning	10
Recent Improvements to Subject	11
Extraordinary Changes to the Subject Outline	11
Learning Analytics	11
Section B: Assessment	12
Assessment Summary	12
Formatting Requirements	12
Writing Style	12
Mandatory AI Disclosure Statement	12
Structure	13
Referencing	13
Academic Integrity	13
Formatting Requirements	13
Writing Style	14
Mandatory AI Disclosure Statement	14
Structure	14
Referencing	14
Academic Integrity	15
Poster Format	16
Poster Design & Layout	16
Content Style	16
Required Poster Sections	16
Figures and Tables	17
Oral Poster Presentation (2 minutes)	17
Mandatory In-Class Poster Presentation	17
Additional Assessment Information	17
Minimum Requirements to Pass this Subject	17
Hurdle Assessment	17
UOW Grade Descriptors	18
Assessment Learning Outcome Matrix	18
Submission, Retention and Collection of Written Assessment	19
Extensions	19
Late Submission of Assessment Tasks and Penalties	19
Collection	19
Retention	19
Scaling	19
Supplementary Assessment	20
Review and Appeal of Academic Decisions	20
Assessment Quality Cycle	20
Academic Integrity	20
Referencing	20

Section C: General Advice for Students - Policies and Procedures.....	21
Student Services and Support	21
Student Support Coordinator (SSC).....	21
Student Advocacy Service	21
AskUOW.....	21
Library Services.....	22
Academic Integrity Policy.....	22
Code of Practice - Research.....	22
Honours Policy.....	22
The Code of Practice - Work Integrated Learning (Professional Experience).....	22
Copyright Policy	22
Course Progress Policy	22
Examination Rules and Procedures.....	22
Ethical Objection by Students to the Use of Animal and Animal Products in Coursework Subjects	22
Coursework Rules.....	23
Human Research Ethics	23
Inclusive Language Guidelines	23
Intellectual Property Policy.....	23
Review and Appeal of Academic Decisions Policy	23
Student Academic Consideration Policy.....	23
The Student Charter - Your Rights and Responsibilities	23
Student Assignment of Intellectual Property (IP) Policy	23
Student Conduct Rules.....	24
Teaching and Assessment: Assessment and Feedback Policy	24
Teaching and Assessment: Code of Practice - Teaching.....	24
Teaching and Assessment: Subject Delivery Policy	24
Workplace Health & Safety Policy	24

Section A: General Information

Learning Outcomes

Subject Learning Outcomes

On successful completion of this subject, students will be able to:

1. Identify and critically evaluate scientific literature using credible databases and levels of evidence.
2. Apply principles of academic and scientific writing to construct clear, concise, and ethical written outputs.
3. Interpret, analyse, and present quantitative and qualitative data using appropriate statistical methods and digital tools.
4. Demonstrate ethical and responsible research practices including referencing and ethical use of generative AI.
5. Communicate scientific ideas effectively through written, oral, and visual formats.

Subject Description

Scientific Literacy equips first-year students with the foundational skills required to think, write, and communicate like a scientist. Through an integrated and practical approach, students will learn how to locate and critically evaluate scientific information, apply principles of ethical academic writing, and interpret data using appropriate statistical and digital tools. The subject emphasises evidence-based reasoning, integrity, and responsible use of generative AI in research and communication. Students will progress through four phases—finding and reading science, writing and designing research, interpreting and analysing data, and communicating science visually and orally. Learning activities will draw on real-world examples across medical, nutrition, and exercise sciences to develop transferable skills in scientific inquiry, collaboration, and professional communication.

Course Handbook

Information about subject pre-requisites, co-requisites and restrictions as well as course completion requirements and Course Learning Outcomes can be found in the [Course Handbook](#).

Subject Details: Practical Activities, eLearning, Readings and Materials

Subject eLearning

The University uses the eLearning system Moodle to support all coursework subjects. The subject Moodle site can be accessed via your SOLS page.

Safety Guidelines

The rules below are general rules that are required when participating in labs or practical activities. Before commencing these activities you are to ensure that you understand specific procedures and policy related to safety.

- All first year students undertaking Chemistry (CHEM101/102/104/105) must complete the Moodle WHS Induction (see the subject Moodle site for more details below)
- Before commencing any activity you are to ensure that you understand specific procedures and policy related to the lab in which you work and safety in general.
- You may need to review a Risk Assessment and complete a Participant Acknowledgement form before commencing any experiments/practical work. These materials will be made available by the lab supervisor/Subject Coordinator.
- You must inform the Subject Coordinator of any medical conditions which may impact upon your ability to participate in these activities before commencing the practical.

- All Reasonable Adjustment cases (Access Plans) must be discussed with the Subject Coordinator prior to commencing the activity.
- Participation in the lab/practical/field/simulation activities may be denied to students who do not abide by these, and other conditions which may be specified by the Subject Coordinator.
- Never use any equipment or attempt any experiment without checking the safety implications with your laboratory supervisor or experienced delegated laboratory worker.
- Undergraduate students are not permitted to work after hours unless there is appropriate approval and supervision.

FOUNDATIONAL Work Integrated Learning

This subject contains elements of 'Foundational WIL'. Students in this subject will observe, explore or reflect on possible career pathways or a work-related aspect of their discipline.

Using Generative Artificial Intelligence (GenAI)

UOW is committed to embracing gen AI as a tool to enhance learning and development of important digital and work-readiness skills.

Your subject coordinator will provide specific guidance on the use of gen AI in your assessment tasks via your Subject Outline and/or your subject Moodle site. If gen AI use is permitted, it should be used thoughtfully, critically, and in ways that support your own learning.

Guidance on appropriate use of AI in assessments, including how to [acknowledge GenAI](#) can be found on the [Using Generative Artificial Intelligence in Assessment website](#)

You are responsible for all work you submit, and ethical use of gen AI is an important part of maintaining academic integrity. Misuse or unauthorised use may breach the [Academic Integrity Policy](#).

Lectures, Tutorials and Attendance Requirements

Lecture Times *

UOW may need to modify teaching locations, teaching delivery, and assessment delivery at short notice in response to unforeseen circumstances such as health or environmental factors.

For up-to-date information please refer to your subject's Moodle site.

Up to date timetable and delivery information is located at <http://www.uow.edu.au/student/timetables/index.html>

You can access your personal timetable by logging into SOLS and selecting 'My Timetable'

Lecture Program *

Week	Commencing	Topics Covered	Tutorial Activities
1	02 Mar 2026	What is scientific information, and where do we find it? Introduction to Scientific Literacy <ul style="list-style-type: none"> • Introduction to Subject, Learning Outcomes • Difference between general literacy & scientific literacy • How Science Separates Facts from Fiction 	No Tutorial/Workshop in Week 1

		<p>Types of Scientific Literature</p> <ul style="list-style-type: none"> Journals, Books, Book Chapters, Research Papers, Review Papers, Editorials, Commentaries <p>Scientific writing</p> <ul style="list-style-type: none"> Scientific Reports (Lab Manual, Lab Reports etc) 	
2	09 Mar 2026	<p>How to search for reliable information online</p> <p>Databases, Search Strategy, Levels of Evidence (Scopus, PubMed, Scholar)</p>	<p>Practicing how to tell good sources from weak ones</p> <p>Source classification (classify sources (blog, YouTube, journal, review))</p> <p>Database demonstration, Hands-on search, ranking evidence</p>
3	16 Mar 2026	<p>How to read a scientific paper and use information properly</p> <p>Anatomy of a Paper (Introduction, Methodology, Results & Discussion), Referencing, Plagiarism</p>	<p>How to summarise a paper and reference correctly</p> <p>Abstract annotation, Referencing practice, Abstract drafting support</p>
4	23 Mar 2026	<p>How to write clearly about science</p> <p>Scientific Writing Basics (Abstracts, clarity, paraphrasing)</p>	<p>Improving your abstract through peer feedback</p> <p>Assessment 1 Due Friday 27th March 3:00 PM</p>
5	30 Mar 2026	<p>How to understand a scientific topic and what we already know about It</p>	<p>Finding useful articles & understanding the main message</p>
6	06 Apr 2026	<p>Digital tools for scientific writing (MS Office, Biorender, referencing software)</p> <p>Artificial Intelligence (AI) in Scientific Writing, AI Ethics</p>	<p>Building your evidence review: Finding key points and putting them together</p> <p>Trying out referencing Tools and ethical use of AI</p> <p>AI vs human writing comparison, Referencing software practice (How to use EndNote and Zotero)</p>
7	13 Apr 2026	<p>Good Scientific Practice: Honesty, Fairness & Clear Writing</p> <p>Integrity, Reproducibility, Responsible Science</p>	<p>No Tutorial/Workshop in week 7</p>
	20 Apr 2026	Mid-Session Recess	
8	27 Apr 2026	<p>Understanding basic data and how to show it clearly</p> <p>Introduction to Data: Graphing, Variables, Normality, Descriptive Stats</p>	<p>Exploring data using simple tools</p> <p>Microsoft Excel dataset activity: sports/nutrition/medical & health sciences examples</p>
9	04 May 2026	<p>How we use data to make simple conclusions</p>	<p>Practicing data analysis with guided examples</p> <p>Inferential Stats (t-test, chi-square, correlation, causation), Data noise, cleaning</p>
10	11 May 2026	<p>Scientific storytelling & professional communication</p> <p>A day in the life of a sports scientist, a medical scientist, and a nutrition scientist /researcher.</p>	<p>In-Person Quiz (Assessment 3)</p>

11	18 May 2026	How to build a scientific poster (visual communication)	Critique example posters and presentations (looking at good and poor poster examples). Group brainstorming of poster titles and narratives based on each discipline (medicine, nutrition & sport sciences)
12	25 May 2026	Exploring careers in medicine, health and science	Hands-on Poster Development Workshop Poster draft feedback Career-pathway-related tutorial activities
13	01 Jun 2026	Self-Study Week	It's your turn to present your poster (Assessment 4). In-Class Poster Presentations (Group Task – 2 Students per group)
	08 Jun 2026	Study Recess	
	13 Jun 2026	Examinations	
	20 Jun 2026	Examinations	

* The above times and program may be subject to change. Students will be notified of any change via SOLS.

Recording of Teaching and Learning Activities

The University of Wollongong supports the recording of UOW educational content as a supplemental study tool, to provide students with equity of access, and as a technology-enriched learning strategy to enhance the student experience.

If you make your own recording of a lecture, class, seminar, workshop or any other educational session provided as part of your course of study you can only do so with the explicit permission of the lecturer and those people who are also being recorded.

You may only use educational content recorded through the delivery of subject or course content, whether they are your own or recorded by the university, for your own educational purposes. Recordings cannot be altered, shared or published on another platform, without permission of the University, and to do so may contravene the University's Copyright Policy, Privacy Policy, Intellectual Property Policy, IT Acceptable Use Policy and Student Conduct Rules. Unauthorised sharing of recordings may also involve a breach of law under the Copyright Act 1969.

Most lectures in this subject will be recorded, when they are scheduled in venues that are equipped with lecture recording technology and made available via the subject Moodle site within 48 hours.

Your Privacy - Recording of Teaching and Learning

In accordance with the Student Privacy & Disclosure Statement, and Lecture Recording Procedures when undertaking our normal teaching and learning activities, the University may collect your personal information. This collection may occur incidentally during the recording of lectures in equipped venues (i.e. when your identity can be ascertained by your image, voice or opinion), or via the delivery of online content therefore the University further advises students that:

- Lecture recordings are made available to students, university staff, and affiliates, securely via the Learning Platform;
- Recordings are made available only for the purpose for which they were recorded, for example, as a supplemental study tool or to support equity and access to educational resources;

If you have any concerns about the use or accuracy of your personal information collected in a lecture recording, you may approach your Subject Coordinator to discuss your particular circumstances.

The University is committed to ensuring your privacy is protected. If you have a concern about how your personal information is being used or managed, please refer to the University's Privacy Policy or consult our Privacy webpage <https://www.uow.edu.au/privacy/>

Recent Improvements to Subject

The Faculty of Science, Medicine and Health is committed to continual improvement in teaching and learning and takes into consideration student feedback from many sources including, direct student feedback to tutors and lecturers and responses to the Subject and Course Evaluation Surveys. Feedback is also used to inform comprehensive reviews of subjects and courses.

Extraordinary Changes to the Subject Outline

In extraordinary circumstances the provisions stipulated in this Subject Outline may require amendment after the Subject Outline has been distributed. All students enrolled in the subject must be notified and have the opportunity to provide feedback in relation to the amendment, where practicable, prior to the amendment being finalised.

Learning Analytics

Learning Analytics data (such as student engagement with Moodle, access to recorded lectures, University Library usage, task marks, and use of SOLS) may be used by the Subject Coordinator and your faculty's Head of Students to assist in analysing student engagement, and to identify and recommend support for students identified who may be in need of assistance. If you have questions about the kinds of data the University uses, how we collect it, and how we protect your privacy in the use of this data, please refer to <https://www.uow.edu.au/privacy/>

Section B: Assessment

Assessment Summary

Assessment Item	Form of Assessment	%
Assessment 1	Assignment	25%
Assessment 2	Journal/Blog	30%
Assessment 3	Quiz	20%
Assessment 4	Presentation	25%
	TOTAL MARKS	100%

Please note: Copies of student work may be retained by the University in order to facilitate quality assurance of assessment processes.

Assessment 1: Assignment - Abstract Writing (Fact-Checking a Health Claim)

Marking Criteria	Refer Moodle Site
Length	150–250 words (excluding references)
Weighting	25%
Assessment Due	27 Mar 2026 (Friday in Session Week 4) Final submission time: 3:00pm
Type of Collaboration	Individual assessment
Style and format	<p>Formatting Requirements</p> <ul style="list-style-type: none"> • Font: Times New Roman <i>or</i> Calibri • Font size: 12 pt • Line spacing: 1.5 • Text alignment: Left-aligned • Margins: Standard (2.54 cm on all sides) <p>Writing Style This task is written in a short scientific abstract style. Students should:</p> <ul style="list-style-type: none"> • Use clear, concise, and formal scientific language • Write in complete sentences and continuous prose (no dot points) • Avoid unnecessary jargon; use precise terminology where appropriate • Maintain an objective and evidence-based tone • Focus on summarising evidence, not personal opinions
Generative AI use	<p>Students may use AI tools for:</p> <ul style="list-style-type: none"> • Idea generation, such as understanding how to structure a Abstract. • Learning proper citation methods and referencing formats. • Improving clarity in writing, but not for drafting substantial portions of your work. <p>However, you must not:</p> <ul style="list-style-type: none"> • Submit your full assignment or sections of it to AI for generation or rewriting. • Use AI to write your abstract for direct submission. <p>Mandatory AI Disclosure Statement All students are required to include an AI disclosure statement at the end of their assignments.</p>

	<ul style="list-style-type: none"> • If AI was used, you must specify how and in what capacity it was used. • If AI was not used, you must explicitly state that no AI tools were used in completing the assignment. <p>Failure to include this disclosure will be considered a breach of academic integrity.</p>
Assessment submission	<p>Online via Moodle</p> <p>This assessment task has been set up to be checked by Turnitin, a tool for checking if it has unreferenced content. You can submit your assessment task to Turnitin prior to the due date and Turnitin will give you an originality report. You can then make any changes that may be required and re-submit your final version by the due date.</p>
Assessment return	Within 15 working days of the assessment due date
Detailed information	<p>Structure</p> <ul style="list-style-type: none"> • Subheadings are not required. • The abstract should be written as a single, well-organised paragraph that clearly flow. • The writing should naturally include: <ul style="list-style-type: none"> ○ a brief explanation of the health or well-being claim chosen from the provided list (Refer Moodle Site), ○ a summary of what the scientific literature reports, ○ a clear statement on whether the evidence supports, partially supports, or does not support the claim. <p>Logical flow and clarity are essential, as this task mirrors the structure of abstracts commonly used in scientific literature.</p> <p>Referencing</p> <ul style="list-style-type: none"> • Include in-text citations where scientific evidence is discussed • Provide a short reference list (minimum two scientific articles) • References must be from peer-reviewed scientific sources • Use APA or Vancouver referencing style consistently <p>Academic Integrity</p> <ul style="list-style-type: none"> • This is an individual assessment • All submissions must be original work • Assignments will be checked using Turnitin

Assessment 2: Journal/Blog - Science Explainer Article (Science Magazine/Blog-Style Writing)

Marking Criteria	Refer Moodle Site
Length	Approximately 700-800 words (excluding references)
Weighting	30%
Assessment Due	27 Apr 2026 (Monday in Session Week 8) Final submission time: 11:00am
Type of Collaboration	Individual assessment
Style and format	<p>Formatting Requirements</p> <ul style="list-style-type: none"> • Font: Times New Roman <i>or</i> Calibri • Font size: 12 pt • Line spacing: 1.5 • Text alignment: Justified • Margins: Standard (2.54 cm on all sides)

	<p>Writing Style This assessment is written in a science magazine or blog-style format, aimed at a general, non-expert audience. Students should:</p> <ul style="list-style-type: none"> • Use clear, simple, and engaging language • Avoid excessive technical jargon; where scientific terms are necessary, briefly explain them in plain language • Write in a friendly, informative, and explanatory tone • Maintain scientific accuracy while keeping the content accessible • Use short paragraphs and logical flow to improve readability
Generative AI use	<p>Students may use AI tools for:</p> <ul style="list-style-type: none"> • Idea generation, such as understanding how to structure a blog-style article. • Learning proper citation methods and referencing formats. • Improving clarity in writing, but not for drafting substantial portions of your work. <p>However, you must not:</p> <ul style="list-style-type: none"> • Submit your full assignment or sections of it to AI for generation or rewriting. • Use AI to write your article for direct submission. <p>Mandatory AI Disclosure Statement All students are required to include an AI disclosure statement at the end of their assignments.</p> <ul style="list-style-type: none"> • If AI was used, you must specify how and in what capacity it was used. • If AI was not used, you must explicitly state that no AI tools were used in completing the assignment. <p>Failure to include this disclosure will be considered a breach of academic integrity.</p>
Assessment submission	<p>Online via Moodle</p> <p>This assessment task has been set up to be checked by Turnitin, a tool for checking if it has unreferenced content. You can submit your assessment task to Turnitin prior to the due date and Turnitin will give you an originality report. You can then make any changes that may be required and re-submit your final version by the due date.</p>
Assessment return	<p>Within 15 working days of the assessment due date</p>
Detailed information	<p>Structure The article should include: An engaging title that reflects the topic There is no requirement to use formal subheadings. However, the article should be clearly structured so that it naturally reads as: an introduction that explains what the topic is about and why it matters, a main body that discusses what scientific studies say about the topic, a simple explanation of what these findings mean in everyday terms, and a short conclusion that summarises the key message. Students should ensure ideas flow logically from one section to the next, using paragraphs to signal shifts between these parts of the article, even without explicit headings.</p> <p>Referencing</p> <ul style="list-style-type: none"> • Include 3–6 scientific references • References must be from credible scientific sources (e.g., peer-reviewed journal articles)

	<ul style="list-style-type: none"> • Use APA or Vancouver referencing style consistently • In-text citations should be used where appropriate <p>Academic Integrity</p> <ul style="list-style-type: none"> • This is an individual assessment • All work must be original • Submissions will be checked using Turnitin
--	--

Assessment 3: Quiz - In-Person Quiz (Scientific Reasoning and Data Literacy)

Marking Criteria	<ul style="list-style-type: none"> • Total questions: 20 • Marks per question: 5 marks • Total marks: 100 marks (scaled to 20% of the subject grade) • Each correct answer receives full marks. • No partial marks are awarded.
Length	20 Questions, 25 Minutes
Weighting	20%
Assessment Due	11 May 2026 (In workshop in Session Week 10)
Type of Collaboration	Individual assessment
Style and format	For this quiz, students will be provided with a multiple-choice questions bubble sheet to record their answers. Carefully read each of the 20 questions and select the best answer from the options provided (A, B, C, D or E). Completely fill in the bubble corresponding to the chosen answer, ensuring the mark is clear and neat without stray marks. Do not mark more than one option for any question, as this will be considered incorrect. Ensure that your name and subject code are written clearly in the designated area on the sheet. Students will have 25 minutes to complete the quiz, with the first 5 minutes allocated for instructions. Manage your time wisely, review answers if time permits, and keep the sheet flat and clean for accurate processing.
Generative AI use	Not Applicable (In-Person Quiz)
Assessment return	Within 15 working days of the assessment due date
Detailed information	<p>The quiz questions are designed to assess scientific reasoning and data literacy, not memorisation.</p> <p>Students should be prepared to:</p> <ul style="list-style-type: none"> • Interpret graphs and figures • Identify independent and dependent variables • Apply basic descriptive statistics, including mean, median, and standard deviation • Demonstrate understanding of simple inferential concepts, such as: <ul style="list-style-type: none"> ○ t-tests ○ chi-square tests ○ correlation ○ p-values <p>Questions may be scenario-based and require students to interpret data or select the most appropriate statistical reasoning.</p>

Assessment 4: Presentation - Making a Scientific Poster and Presenting It

Marking Criteria	Refer Moodle site
Weighting	25%
Assessment Due	01 Jun 2026 (Monday in Session Week 13) Final submission time: 8:00am
Type of Collaboration	Group work

<p>Style and format</p>	<p>Poster Format</p> <ul style="list-style-type: none"> • Type: e-Poster (group assessment; 2 students per group) • File format: PowerPoint slide created in Microsoft PowerPoint or BioRender • Submission format: Export as PDF or JPEG and upload to Moodle • Moodle Submission deadline: 8:00 AM, Monday 1st June 2026 • Presentation: In-class oral presentation (2 minutes per group) <p>Poster Design & Layout</p> <ul style="list-style-type: none"> • The poster should follow a clear and logical structure, reading top-to-bottom and left-to-right. • Use a clean, professional design with balanced use of text and visuals. • Limit the colour palette to 2–3 complementary colours. • Avoid overly bright or very dark background colours. • Maintain consistent font style, size, alignment, and spacing throughout the poster. <p>Content Style</p> <ul style="list-style-type: none"> • Use bullet points rather than long paragraphs. • Write in clear, concise, and scientifically accurate language. • Avoid unnecessary jargon; use terminology appropriate for health science audiences. • Figures and tables should be clearly labelled and directly support the key findings.
<p>Generative AI use</p>	<p>Students may use AI tools for:</p> <ul style="list-style-type: none"> • Idea generation, such as understanding how to structure a Scientific Poster. • Learning proper citation methods and referencing formats. • Improving clarity in writing, but not for drafting substantial portions of your work. <p>However, you must not:</p> <ul style="list-style-type: none"> • Submit your full assignment or sections of it to AI for generation or rewriting. • Use AI to create your poster for direct submission. <p>Mandatory AI Disclosure Statement</p> <p>All students are required to include an AI disclosure statement at the end of their assignments.</p> <ul style="list-style-type: none"> • If AI was used, you must specify how and in what capacity it was used. • If AI was not used, you must explicitly state that no AI tools were used in completing the assignment. <p>Failure to include this disclosure will be considered a breach of academic integrity.</p>
<p>Assessment submission</p>	<p>Online via Moodle</p>
<p>Detailed information</p>	<p>Required Poster Sections</p> <p>The poster must include the following sections:</p> <ul style="list-style-type: none"> • Title • Student names and affiliation • Introduction (brief background to the dataset and topic) • Objectives • Methodology (including the statistical test(s) applied) • Results (using figures and/or tables for data visualisation) • Discussion (interpretation of results and justification for the chosen statistical method) • Conclusion

	<p>Figures and Tables</p> <ul style="list-style-type: none"> • Use high-quality figures and images (minimum 600 dpi). • Ensure all graphs include: <ul style="list-style-type: none"> ○ Clear axis labels ○ Units where appropriate ○ Informative captions • Tables should be neat, easy to read, and consistently formatted. <p>Oral Poster Presentation (2 minutes)</p> <ul style="list-style-type: none"> • Provide a brief oral summary explaining: <ul style="list-style-type: none"> ○ The selected dataset ○ The statistical analysis performed ○ The key results and conclusions • The presentation should demonstrate: <ul style="list-style-type: none"> ○ Clear communication ○ Logical flow ○ Engagement and confidence • Each group member is expected to contribute to the presentation. <p>Mandatory In-Class Poster Presentation</p> <ul style="list-style-type: none"> • In-class poster presentation is mandatory and must be delivered during the allocated tutorial/workshop time in Week 13. • Students must do both: <ul style="list-style-type: none"> ○ Upload the e-poster to Moodle by the stated deadline, and ○ Present the poster in class during their respective tutorial/workshop session. <p>Posters will not be marked if a student:</p> <ul style="list-style-type: none"> • Fails to upload the poster by the submission deadline, or • Fails to present the poster in class during the scheduled workshop/tutorial
--	---

Additional Assessment Information

Minimum Requirements to Pass this Subject

Attendance:

Student attendance supports learning and achievement and is strongly encouraged in all classes. As a minimum requirement of this subject, students must attend at least 80% of face-to-face tutorial classes. Attendance will be recorded. If attendance is affected due to compassionate, compelling, or extenuating circumstances, an Academic Consideration application must be lodged via SOLS, with supporting documentation (e.g. a medical certificate) submitted to Student Central as soon as practicable.

For further details, please visit the Student Central webpage:

<http://www.uow.edu.au/student/central/academicconsideration/index>

Attempting all assessment tasks:

To receive a clear pass in this subject, students must achieve a total mark of at least 50% and attempt all assessment tasks. Submission of all four assessments is mandatory, even if a student has already achieved an overall mark of 50% from earlier assessments. Failure to submit any assessment will result in a Technical Fail (TF) for the subject.

Technical Fail:

Failure to meet any of the minimum performance requirements outlined above may result in the awarding of a Technical Fail (TF) in the subject, even where the total marks accumulated are greater than 50%.

Hurdle Assessment

Subjects may include a hurdle assessment. A hurdle assessment is an assessment that requires a minimum level of performance as a condition for passing the subject. Examples include, achievement of a pass grade or above in a skills-based assessment or final examination. Hurdle assessments are applied to subjects to ensure students:

1. meet learning outcomes
2. demonstrate you can complete a task safely and/or meet professional standards.

For more on hurdle assessments see the Assessment and Feedback Policy [Section 8: Hurdle Assessments \(50-51-52\)](#).

Failure to meet a hurdle assessment requirement may constitute grounds for the award of a Technical Fail (TF) grade in this subject.

Should this subject contain a hurdle assessment, it will be stated under the specific assessment in Section B: Assessments.

UOW Grade Descriptors

The UOW Grade Descriptors are general statements that communicate what our grades represent, in terms of standards of performance, and provide a frame of reference to ensure that assessment practice across the University is appropriate, consistent and fair. Grade Descriptors are expressed in general terms so that they are applicable to a broad range of disciplines. Grade Descriptors are available here <https://www.uow.edu.au/student/exams/results/>. For more information on the UOW grade descriptors refer to the Teaching and Assessment: Assessment and Feedback Policy: [Teaching and Assessment: Assessment and Feedback Policy](#)

Assessment Learning Outcome Matrix

Learning Outcomes	Measures - Assessment weighting			
	Abstract Writing (Fact-Checking a Health Claim) <i>(25%)</i>	Science Explainer Article (Science Magazine/Blog-Style Writing) <i>(30%)</i>	In-Person Quiz (Scientific Reasoning and Data Literacy) <i>(20%)</i>	Making a Scientific Poster and Presenting It <i>(25%)</i>
Identify and critically evaluate scientific literature using credible databases and levels of evidence.	✓	✓	✓	✓
Apply principles of academic and scientific writing to construct clear, concise, and ethical written outputs.	✓	✓		
Interpret, analyse, and present quantitative and qualitative data using appropriate statistical methods and digital tools.			✓	✓
Demonstrate ethical and responsible research practices including referencing and ethical use of generative AI.	✓	✓		✓
Communicate scientific ideas effectively through written, oral, and visual formats.		✓		✓

Submission, Retention and Collection of Written Assessment

Assessed work must be handed in by the date and time listed under each assessment task. All assessment tasks must represent the enrolled student's own ORIGINAL work and must not have been previously submitted for assessment in any formal course of study.

Extensions

Students requesting an extension of time to submit an assessment task, deferred exam or exemption of a compulsory attendance requirement, must apply using Academic Consideration through SOLS. Students must apply before, or on the assessment/s due date and where evidence is required, students must provide evidence no later than three working days after the assessable item's due date for their request to be considered. **For information on the Academic Consideration Policy, eligibility requirements and how to apply, see:** <https://www.uow.edu.au/student/admin/academic-consideration/>

Late Submission of Assessment Tasks and Penalties

Assessed work must be submitted in by the date and time given. If an assessment is submitted late, it will be marked in the normal way, and a penalty will then be applied.

In the absence of an approved request for Academic Consideration in the form of an extension, assessment tasks must be submitted in line with the assessment instructions.

- An assessment task that is submitted late will receive a penalty of 5% of the total possible marks for each 24-hour period, or part thereof, that it is late.
- Work submitted after seven calendar days will not be marked and will be given a mark of 0.
- No assessment task can be handed in for a mark once the assessment task has been returned to students.
- Penalties accrue on each day that the assessment task is late, including Saturday, Sunday and public holidays

Note: Assessments must still be submitted to meet minimum performance requirements even though no mark is to be awarded.

Collection

Students will be notified when they can collect or view their marked assessment. In accordance with University Policy marked assessments will usually only be held for 21 days after the declaration of marks for that assessment.

Retention

The university may retain copies of student work in order to facilitate quality assurance of assessment processes, in support of the continuous improvement of assessment design, assessment marking and for the review of the subject. The University retains records of students' academic work in accordance with the University Records Management Policy and the State Records Act 1988 and uses these records in accordance with the University Privacy Policy and the Privacy and Personal Information Protection Act 1998.

Scaling

Marks awarded for any assessment task or part of any assessment task, including an examination may be subject to scaling at the end of the session. Marks will be scaled only when unpredicted circumstances occur and in order to ensure fairness of marking across groups of students. The method of scaling will depend on the type of scaling required by the circumstances. When scaling is deemed necessary, it will follow a detailed consideration by the Unit Assessment Committee and/or the Faculty Assessment Committee of the marks of the group of students concerned. Scaling will not affect any individual student's rank order within their cohort. For more information please refer to [Finalisation of Student Results Policy](#) for details.

Supplementary Assessment

Supplementary assessment may be offered to students whose performance in this subject is close to that required to pass the subject, and are otherwise identified as meriting an offer of a supplementary assessment. For information about eligibility criteria and the form and timing of supplementary assessments see the [Supplementary Assessment Procedure](#)

Review and Appeal of Academic Decisions

A student may request an explanation of a mark for an assessment task or a final grade for a subject consistent with the student's right to appropriate and useful feedback on their performance in an assessment task. A student may also seek further explanation for other academic decisions such as Academic Consideration, Supplementary Assessment or Credit for Prior Learning. If a student is not satisfied with the explanation, or have further concerns, they may have grounds for a formal review. For further information refer to [Review and Appeal of Academic Decisions Policy](#)

Assessment Quality Cycle

The UOW Assessment Quality Cycle provides a level of assurance that assessment practices across the University are appropriate, consistent and fair. Quality assurance activities are undertaken to support the continuous improvement of assessment and promote good practices in relation to assessment design, marking and review of the subject prior to subsequent delivery.

Academic Integrity

The University's Academic Integrity Policy, faculty handbook and subject guides clearly set out the University's expectation that students submit only their own original work for assessment and avoid plagiarising the work of others or cheating. Re-using any of your own work (either in part or in full) which you have submitted previously for assessment is not permitted without appropriate acknowledgement. Plagiarism can be detected and has led to students being expelled from the University.

The use by students of any website that provides access to essays or other assessment items (sometimes marketed as 'resources'), is extremely unwise. Students who provide an assessment item (or provide access to an assessment item) to others, either directly or indirectly (for example by uploading an assessment item to a website) are considered by the university to be intentionally or recklessly helping other students to cheat. Uploading an assessment task, subject outline or other course materials without express permission of the University is considered academic misconduct and students place themselves at risk of being expelled from the University.

Students should visit the following University website and become familiar with the University's policy on plagiarism [Academic Integrity Policy](#)

Referencing

The Author-Date (Harvard) referencing system should, unless otherwise specified for a particular assessment (check Details of Assessment Tasks), be utilised. A summary of the Harvard system can be accessed on the Library website at: <http://uow.libguides.com/refcite>

Section C: General Advice for Students - Policies and Procedures

Student Services and Support

There are a range of services available to students that are provided free of charge. A good place to get to know services that may be of use to you is the [Get Started @ UOW](#) or search for "Get Started @ UOW". Services available include:

Service	Link to information about the service
Aboriginal & Torres Strait Islander	https://www.uow.edu.au/about/services/woolyungah-indigenous-centre/about-us/
Careers advice	https://www.uow.edu.au/student/careers/
Counselling	https://www.uow.edu.au/student/support-services/counselling/
Student Accessibility and Inclusion (SAI)	https://www.uow.edu.au/student/support-services/sai/
Information Tech.	https://www.uow.edu.au/its/index.html?ssSourceSiteId=getstarted
Study Skills	https://www.uow.edu.au/student/support-services/academic-skills/

Student Support Coordinator (SSC)

If you have a temporary or ongoing issue or a problem that is affecting your study, including issues that are related to belonging to an equity group, then the Student Support Coordinators may be able to help. There are Student Support Coordinators available to assist students who are studying at all UOW Campuses and in all UOW Faculties. Contact details can be found on the UOW website: <https://www.uow.edu.au/student/support-services/coordinators/>

Student Advocacy Service

The Student Advocacy Service (SAS) is free, confidential and independent service for all UOW students. The SAS provides advocacy and referral for a range of academic, procedural and administrative issues. For more information visit: <https://www.uow.edu.au/student/support-services/advocacy/>

AskUOW

AskUOW is your primary administrative and information contact during your studies.

Our purpose is to ensure students have access to the information they need, at the time they need it. We can help with a wide range of enquiries, including key topics such as:

- Applying for [academic consideration](#)
- Fees and scholarships
- Official documentation and student letter requests
- Student forms such as course transfer and leave of absence applications
- Student ID card issuance and replacement
- Subject enrolment
- Transport concession cards and Opal cards
- Updating personal details

Get instant answers 24/7 online using [AskUOW](#). Log in with your UOW username and password.

For further support contact askuow@uow.edu.au or call on 1300 275 869 (1300 ASK UOW) or +61 2 4221 3927.

Library Services

Save yourself time and enhance your studies: connect with information specialists and resources anytime, anywhere.

- For Library support connect with [Live Chat](#) or [contact the Library](#).
- For self-help see [Frequently Asked Questions](#) or browse [Library guides](#) to find information, databases and skills tutorials.
- [Research consultations](#) are available to UOW Postgraduate, Honours and Deans Scholar students.

Academic Integrity Policy

Academic integrity involves upholding ethical standards in all aspects of academic work, including learning, teaching and research. It involves acting with the principles of honesty, fairness, trust and responsibility and requires respect for knowledge and its development. The Policy can be found at:

<https://policies.uow.edu.au/document/view-current.php?id=26>

Code of Practice - Research

This Code mandates the current policy and best practice relating to procedures for responsible research. The Code can be found at: <https://policies.uow.edu.au/document/view-current.php?id=11>

Honours Policy

This policy sets out the responsibilities of all parties involved in managing students undertaking Honours Programs. The Code can be found at: <https://policies.uow.edu.au/document/view-current.php?id=36>

The Code of Practice - Work Integrated Learning (Professional Experience)

The Code of Practice - Work Integrated Learning (Professional Experience) sets out what is expected from students, the University and Host Organisations in providing work integrated learning professional experience programs. It applies to professional experience programs that form the whole or part of a subject or course offered at the University. The Code assists in promoting a productive work integrated learning experience for students and in promoting relevant UOW Work Integrated Learning Design Principles.

<https://policies.uow.edu.au/document/view-current.php?id=12>

Copyright Policy

The purpose of this Policy is to outline responsibilities and procedures regarding the use of third party copyright material, with the objectives of reducing staff and UOW exposure to the risks associated with the use of third party copyright material, assisting staff to make full legal use of the materials at their disposal by clearly identifying responsibilities and promoting copyright compliance. The Policy can be found at:

<https://policies.uow.edu.au/document/view-current.php?id=135>

Course Progress Policy

The Course Progress Policy establishes the requirements, definitions and procedures to be used in determining the standards of acceptable course progress. The Policy can be found at:

<https://policies.uow.edu.au/document/view-current.php?id=30>

Examination Rules and Procedures

The UOW rules and procedures outline exam conditions, student conduct in exams, and the procedures for exam management. Further information can be found here: <https://www.uow.edu.au/student/exams/>

Ethical Objection by Students to the Use of Animal and Animal Products in Coursework Subjects

This policy provides a framework for recognition of and responses to students' ethical or religious objection to animal use in coursework subjects at the University of Wollongong. For the purpose of this policy, animal use includes killing of animals in experimental work, dissection of animals that are already dead, use of animal tissues, use of animal-derived products (such as sera). These uses are relevant to teaching and assessment. Further information about this policy can be found here: <https://policies.uow.edu.au/document/view-current.php?id=154>

Coursework Rules

The Coursework Rules (hereafter the Rules) govern the admission, enrolment, progression through, and qualification for a coursework award offered by the University. Further information can be found here: <https://policies.uow.edu.au/document/view-current.php?id=4>

Human Research Ethics

The Human Research Ethics Committee protects the welfare and rights of the participants in research activities. Further information can be found here: <https://www.uow.edu.au/research-and-innovation/researcher-support/ethics/human-ethics/>

Inclusive Language Guidelines

UOW endorses a policy of non-discriminatory language practice in all academic and administrative activities of the University. Further information is available from: <https://policies.uow.edu.au/document/view-current.php?id=239>

Intellectual Property Policy

UOW's IP Intellectual Property Policy provides guidance on the approach taken to Intellectual Property (IP), including its ownership, protection and exploitation. Further information about the management of IP is available at <https://policies.uow.edu.au/document/view-current.php?id=146>

Review and Appeal of Academic Decisions Policy

UOW aims to provide a transparent and consistent process for resolving a student concern about an academic decision that has affected their academic progress, including a mark or grade. Further information is available at: <https://policies.uow.edu.au/document/view-current.php?id=40>

Student Academic Consideration Policy

The purpose of the Student Academic Consideration Policy is to enable student requests for academic consideration for assessable components of a subject to be evaluated in a fair, reasonable, timely and consistent manner throughout the University. **For information on the Policy, eligibility and how to apply see:** <https://www.uow.edu.au/student/admin/academic-consideration/>

The Student Charter - Your Rights and Responsibilities

The Student Charter is based on principles that guide all members of the University and that promote responsible partnerships within and beyond the University community. <https://www.uow.edu.au/student/charter/>

Student Assignment of Intellectual Property (IP) Policy

This policy applies to all Students (under-graduate and post-graduate) of the University of Wollongong (UOW). It may also apply to other persons by agreement. This policy sets out the approach taken by UOW in relation to Student assignment of intellectual property. Further information about this policy can be found here: <https://policies.uow.edu.au/document/view-current.php?id=146>

Student Conduct Rules

These Rules outline the required conduct of students of UOW, and direct staff and students to University Rules, standards, codes, policies, guidelines, procedures and other requirements which specify acceptable and unacceptable student conduct, and the management of alleged student misconduct.

<https://policies.uow.edu.au/document/view-current.php?id=6>

Teaching and Assessment: Assessment and Feedback Policy

The purpose of this Policy is to set out the University of Wollongong's approach to effective learning, teaching and assessment, including the principles and minimum standards underlying teaching and assessment practice.

The Policy can be found at: <https://policies.uow.edu.au/document/view-current.php?id=38>

Teaching and Assessment: Code of Practice - Teaching

This Code is a key document in implementing the University's Teaching and Assessment Policy and sets out the specific responsibilities of parties affected in relation to learning, teaching and assessment, as well as procedures for teaching staff. The Code can be found at: <https://policies.uow.edu.au/document/view-current.php?id=9>

Teaching and Assessment: Subject Delivery Policy

This Policy sets out specific requirements in relation to the delivery of Subjects. The policy can be found at:

<https://policies.uow.edu.au/document/view-current.php?id=39>

Workplace Health & Safety Policy

The Workplace Health and Safety (WHS) unit at UOW aims to provide structures, system and support to ensure the health, safety and welfare of all at the campus. Further information is available from:

<https://policies.uow.edu.au/document/view-current.php?id=177>