



**UNSW**

## UNSW Course Outline

# ENGG0360 Communicating in Engineering - 2024

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## General Course Information

**Course Code :** ENGG0360

**Year :** 2024

**Term :** Term 3

**Teaching Period :** T3

**Is a multi-term course? :** No

**Faculty :** Faculty of Engineering

**Academic Unit :** Faculty of Engineering

**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

This course is designed to introduce communication strategies in the context of Engineering and build academic skills that will help you to progress through university. It will introduce you to the standard practices of an Engineering professional. Written documents are at the core of

professional activity, and these must be clear and concise. Sound verbal attributes are also imperative in business. To this end, conventions are important for you to communicate effectively to a specific audience.

Students will improve their ability to collect and build ideas into coherent arguments, learn how to construct texts that demonstrate critical thinking, and develop their communication skills (speaking, listening, writing, & reading), in preparation for subsequent study in a professional context.

Students in a single Bachelor of Engineering degree can count this course towards their General Education requirements.

## Course Aims

ENGG0360 is designed with the primary aim of improving students' confidence and competence when communicating in English at a professional level by:

- (i) enabling students to analyze and construct the conventional structures used when presenting technical, academic arguments; and
- (ii) enhancing students' engagement in teamwork and independent learning and their critical reflection on that learning through exposure to a variety of feedback mechanisms.

# Course Learning Outcomes

Course Learning Outcomes
CLO1 : Communicate appropriately and professionally, for a variety of oral and written purposes, using formal language, grammar and text structures
CLO2 : Self-correct and provide effective feedback to peers, after reflecting upon work undertaken
CLO3 : Communicate effectively in the context of teamwork
CLO4 : Evaluate relevant information from several sources and acknowledge with appropriate referencing style/s

Course Learning Outcomes	Assessment Item
CLO1 : Communicate appropriately and professionally, for a variety of oral and written purposes, using formal language, grammar and text structures	<ul style="list-style-type: none"><li>• Design Plan and Mini Literature Review</li><li>• Engineering Design Project</li><li>• Essay</li><li>• Active Participation</li></ul>
CLO2 : Self-correct and provide effective feedback to peers, after reflecting upon work undertaken	<ul style="list-style-type: none"><li>• Engineering Design Project</li><li>• Essay</li><li>• Active Participation</li></ul>
CLO3 : Communicate effectively in the context of teamwork	<ul style="list-style-type: none"><li>• Engineering Design Project</li><li>• Active Participation</li></ul>
CLO4 : Evaluate relevant information from several sources and acknowledge with appropriate referencing style/s	<ul style="list-style-type: none"><li>• Design Plan and Mini Literature Review</li><li>• Essay</li><li>• Engineering Design Project</li></ul>

## Learning and Teaching Technologies

Moodle - Learning Management System | Microsoft Teams | Zoom

## Assessments

### Assessment Structure

Assessment Item	Weight	Relevant Dates
Design Plan and Mini Literature Review Assessment Format: Individual	25%	
Engineering Design Project Assessment Format: Group	30%	
Essay Assessment Format: Individual	25%	
Active Participation Assessment Format: Individual	20%	

# Assessment Details

## Design Plan and Mini Literature Review

### Assessment Overview

#### Design Plan (800 words) and Mini-Literature Review (1500 words)

In this Design Plan component of the assessment, you will be required to demonstrate your understanding and appreciation of the impact and contributions that engineering has made to our world. You will be required to select an engineering structure and discuss what makes this engineering structure interesting. Select one or more of the following perspectives to include in your report.

- Architectural beauty
- Engineering innovation
- Physics and mechanics
- Benefits to the local community
- Sustainability

In the Literature Review component, you will be required to research the engineering structure in more detail to evaluate the current state of research and demonstrate your understanding and familiarity with the concepts involved in the creation of the structure. You will need to highlight the advantages and disadvantages of the chosen structure and use your literature review to develop a methodology that you will apply to your project in the following assessment.

### Course Learning Outcomes

- CLO1 : Communicate appropriately and professionally, for a variety of oral and written purposes, using formal language, grammar and text structures
- CLO4 : Evaluate relevant information from several sources and acknowledge with appropriate referencing style/s

### Assignment submission Turnitin type

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

### Generative AI Permission Level

#### Simple Editing Assistance

In completing this assessment, you are permitted to use standard editing and referencing functions in the software you use to complete your assessment. These functions are described below. You must not use any functions that generate or paraphrase passages of text or other media, whether based on your own work or not.

If your Convenor has concerns that your submission contains passages of AI-generated text or media, you may be asked to account for your work. If you are unable to satisfactorily demonstrate your understanding of your submission you may be referred to UNSW Conduct & Integrity Office for investigation for academic misconduct and possible penalties.

For more information on Generative AI and permitted use please see [here](#).

Additional information about working with AI may be provided during the course.

## Engineering Design Project

### Assessment Overview

#### Design Report (4000 words) and Poster (A2)

In this scenario, you will demonstrate your ability to research an assigned engineering problem and propose a solution.

**Design Report:** You will submit an Engineering Design Report detailing the design, analysis, and considerations for your proposed solution. You will also need to include background information and a literature review.

**Poster:** You will be required to create an A2 poster and prepare a poster pitch. Create a poster and prepare a poster pitch to present your solution. You will be judged on your poster, presentation, and ability to answer questions so be prepared.

### Course Learning Outcomes

- CLO1 : Communicate appropriately and professionally, for a variety of oral and written purposes, using formal language, grammar and text structures
- CLO2 : Self-correct and provide effective feedback to peers, after reflecting upon work undertaken
- CLO3 : Communicate effectively in the context of teamwork
- CLO4 : Evaluate relevant information from several sources and acknowledge with appropriate referencing style/s

### Assignment submission Turnitin type

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### Generative AI Permission Level

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## Essay

### Assessment Overview

#### **Essay (1500 words)**

In this assessment you will be required to write an essay on a topic related to your chosen field. The topics will be presented to you during the trimester.

### Course Learning Outcomes

- CLO1 : Communicate appropriately and professionally, for a variety of oral and written purposes, using formal language, grammar and text structures
- CLO2 : Self-correct and provide effective feedback to peers, after reflecting upon work undertaken
- CLO4 : Evaluate relevant information from several sources and acknowledge with appropriate referencing style/s

### Assignment submission Turnitin type

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

### Generative AI Permission Level

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## Active Participation

### Assessment Overview

This assessment is based on effective preparation for workshops, including completion of the set post-class activities, discussion forums, contributions to class discussions and engagement in other learning activities completed during class including (but not exclusive to) group work, practice presentations, peer feedback & self-assessment. Attendance alone does not constitute 'participation'. Formative feedback will be provided throughout the course.

### Course Learning Outcomes

- CLO1 : Communicate appropriately and professionally, for a variety of oral and written purposes, using formal language, grammar and text structures
- CLO2 : Self-correct and provide effective feedback to peers, after reflecting upon work undertaken
- CLO3 : Communicate effectively in the context of teamwork

### Generative AI Permission Level

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Additional information about working with AI may be provided during the course.

## General Assessment Information

### Grading Basis

Standard

# Course Schedule

## Attendance Requirements

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

# Course Resources

## Recommended Resources

There is NO prescribed text for this course. However, reference will be made on Moodle to a number of seminal texts and articles that are available via the UNSW library. Materials relevant to the weekly topic(s) focused upon in the course will be added to the course's Moodle site. You are encouraged to read more widely in the scholarly literature in your discipline.

### General background reading

Dowling, D; Hadgraft, R. G; Carew, A; McCarthy, T; Hargreaves, D. J; & Baillie, C. 2016, (3rd Edition), *Engineering your future: An Australasian Guide*. John Wiley & Sons, Australia.

Mewburn, I; Firth, K; Lehmann, S 2018, *How to Fix your academic writing trouble*. Open University Press, Australia.

# Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
	Madeleine Wi Ison					No	Yes
	Rishaad Abdoola					No	No

# Other Useful Information

## Academic Information

### I. Special consideration and supplementary assessment

If you have experienced an illness or misadventure beyond your control that will interfere with your assessment performance, you are eligible to apply for Special Consideration prior to, or within 3 working days of, submitting an assessment or sitting an exam.

Please note that UNSW has a Fit to Sit rule, which means that if you sit an exam, you are declaring yourself fit enough to do so and cannot later apply for Special Consideration.

For details of applying for Special Consideration and conditions for the award of supplementary assessment, please see the information on UNSW's [Special Consideration page](#).

## II. Administrative matters and links

All students are expected to read and be familiar with UNSW guidelines and polices. In particular, students should be familiar with the following:

- [Attendance](#)
- [UNSW Email Address](#)
- [Special Consideration](#)
- [Exams](#)
- [Approved Calculators](#)
- [Academic Honesty and Plagiarism](#)
- [Equitable Learning Services](#)

## III. Equity and diversity

Those students who have a disability that requires some adjustment in their teaching or learning environment are encouraged to discuss their study needs with the course convener prior to, or at the commencement of, their course, or with the Equity Officer (Disability) in the Equitable Learning Services. Issues to be discussed may include access to materials, signers or note-takers, the provision of services and additional exam and assessment arrangements. Early notification is essential to enable any necessary adjustments to be made.

## IV. Professional Outcomes and Program Design

Students are able to review the relevant professional outcomes and program designs for their streams by going to the following link: <https://www.unsw.edu.au/engineering/student-life/student-resources/program-design>.

*Note: This course outline sets out the description of classes at the date the Course Outline is published. The nature of classes may change during the Term after the Course Outline is published. Moodle or your primary learning management system (LMS) should be consulted for the up-to-date class descriptions. If there is any inconsistency in the description of activities between the University timetable and the Course Outline/Moodle/LMS, the description in the Course Outline/Moodle/LMS applies.*

## Academic Honesty and Plagiarism

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW students have a responsibility to adhere to this principle of academic integrity. Plagiarism undermines academic integrity and is not tolerated at UNSW. *Plagiarism at UNSW is defined as using the words or ideas of others and passing them off as your own.*

Plagiarism is a type of intellectual theft. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement. UNSW has produced a website with a wealth of resources to support students to understand and avoid plagiarism, visit: [student.unsw.edu.au/plagiarism](http://student.unsw.edu.au/plagiarism). The Learning Centre assists students with understanding academic integrity and how not to plagiarise. They also hold workshops and can help students one-on-one.

You are also reminded that careful time management is an important part of study and one of the identified causes of plagiarism is poor time management. Students should allow sufficient time for research, drafting and the proper referencing of sources in preparing all assessment tasks.

Repeated plagiarism (even in first year), plagiarism after first year, or serious instances, may also be investigated under the Student Misconduct Procedures. The penalties under the procedures can include a reduction in marks, failing a course or for the most serious matters (like plagiarism in an honours thesis or contract cheating) even suspension from the university. The Student Misconduct Procedures are available here:

[www.gs.unsw.edu.au/policy/documents/studentmisconductprocedures.pdf](http://www.gs.unsw.edu.au/policy/documents/studentmisconductprocedures.pdf)

## Submission of Assessment Tasks

Work submitted late without an approved extension by the course coordinator or delegated authority is subject to a late penalty of five percent (5%) of the maximum mark possible for that assessment item, per calendar day.

The late penalty is applied per calendar day (including weekends and public holidays) that the assessment is overdue. There is no pro-rata of the late penalty for submissions made part way through a day. This is for all assessments where a penalty applies.

Work submitted after five days (120 hours) will not be accepted and a mark of zero will be

awarded for that assessment item.

For some assessment items, a late penalty may not be appropriate. These will be clearly indicated in the course outline, and such assessments will receive a mark of zero if not completed by the specified date. Examples include:

- Weekly online tests or laboratory work worth a small proportion of the subject mark;
- Exams, peer feedback and team evaluation surveys;
- Online quizzes where answers are released to students on completion;
- Professional assessment tasks, where the intention is to create an authentic assessment that has an absolute submission date; and,
- Pass/Fail assessment tasks.

## Faculty-specific Information

[Engineering Student Support Services](#) – The Nucleus - enrolment, progression checks, clash requests, course issues or program-related queries

[Engineering Industrial Training](#) – Industrial training questions

[UNSW Study Abroad](#) – study abroad student enquiries (for inbound students)

[UNSW Exchange](#) – student exchange enquiries (for inbound students)

[UNSW Future Students](#) – potential student enquiries e.g. admissions, fees, programs, credit transfer

## Phone

(+61 2) 9385 8500 – Nucleus Student Hub

(+61 2) 9385 7661 – Engineering Industrial Training

(+61 2) 9385 3179 – UNSW Study Abroad and UNSW Exchange (for inbound students)