UNSW Course Outline

GSOE9997 Engineering Work Related Learning for Postgraduates - 2024

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General Course Information

Course Code : GSOE9997
Year : 2024
Term : Term 2
Teaching Period : T2
Is a multi-term course? : No
Faculty : Faculty of Engineering
Academic Unit : Faculty of Engineering
Delivery Mode : Online
Delivery Format : Standard
Delivery Location : Kensington
Campus : Sydney
Study Level : Postgraduate
Units of Credit : 6

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

Work Integrated Learning (WIL) is a great opportunity for you to put the theory and skills you are

learning into practice through authentic workplace experiences. In this course you will undertake a work placement with a company relevant to your degree, develop your professional leadership skills, and earn course credits. As you do this, you will complete professional academic teaching content that will support your WIL placement. Through a combination of self-paced online learning and a self-sourced work placement (15–50 workdays) you will gain experiences and practical skills that are helpful for future employment.

In this course you will explore various skills and processes associated with the development and execution of a scientific and/or engineering type projects as a professional leader. Through these authentic WIL experiences you will develop relevant career skills and processes including project management of engineering projects, understanding requirements of clients, effective communication and interaction with a wide range of people, stakeholders, disciplines and professions in both oral and written forms, professional ethical behaviour, and applying organisational theory to understand business practices.

Course Aims

The course aims to give postgraduate students who are studying for a program within the Faculty of Engineering that does not have prescribed industrial training requirement an opportunity to complete a work placement for course credit. Through learning modules, professional experiences and reflection, students will gain practical experience and be better prepared for their future roles. The course has a particular focus on developing and applying an understanding of science or engineering professional leadership in the workplace.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Explain expectations of a professional leadership in the scientific and/or engineering workplace including higher management level (e.g., ethical behaviour, strategic project management and organisational theory).
CLO2 : Apply in-depth technical knowledge from the program discipline to an industry environment.
CLO3 : Practice professional leadership behaviours.
CLO4 : Demonstrate independent, collaborative, and reflective learning as a leader and in a team environment
CLO5 : Demonstrate the necessary communication skills (written and verbal mode) to be an effective leader in a work placement.

Course Learning Outcomes	Assessment Item
CLO1 : Explain expectations of a professional leadership in the scientific and/or engineering workplace including higher management level (e.g., ethical behaviour, strategic project management and organisational theory).	• Company report • Online module quizzes • WIL placement approval • Final interview
CLO2 : Apply in-depth technical knowledge from the program discipline to an industry environment.	• e-Portfolio • Final interview
CLO3 : Practice professional leadership behaviours.	• Supervisor report • e-Portfolio • Final interview
CLO4 : Demonstrate independent, collaborative, and reflective learning as a leader and in a team environment	• e-Portfolio • Final interview
CLO5 : Demonstrate the necessary communication skills (written and verbal mode) to be an effective leader in a work placement.	• Company report • Supervisor report • e-Portfolio • Final interview

Learning and Teaching Technologies

Moodle - Learning Management System | Microsoft Teams

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Company report Assessment Format: Individual Short Extension: Yes (7 days)	25%	Start Date: Not Applicable Due Date: Week 8: 15 July - 21 July
Supervisor report Assessment Format: Individual Short Extension: Yes (7 days)	5%	Start Date: Not Applicable Due Date: Week 1: 27 May - 02 June, Week 11: 05 August - 11 August
Online module quizzes Assessment Format: Individual Short Extension: Yes (7 days)	20%	Start Date: Not Applicable Due Date: Week 1: 27 May - 02 June, Week 3: 10 June - 16 June, Week 5: 24 June - 30 June, Week 7: 08 July - 14 July
WIL placement approval Assessment Format: Individual	0%	Start Date: Not Applicable Due Date: Week 0: 20 May - 26 May
Final interview Assessment Format: Individual	0%	Start Date: Not Applicable Due Date: Not Applicable
e-Portfolio Assessment Format: Individual Short Extension: Yes (7 days)	50%	Start Date: Not Applicable Due Date: Week 2: 03 June - 09 June, Week 4: 17 June - 23 June, Week 7: 08 July - 14 July, Week 9: 22 July - 28 July, Week 11: 05 August - 11 August

Assessment Details

Company report

Assessment Overview

Applying knowledge from the online module on organisational structure, students will research a company and then analyse and report on its organisation.

Course Learning Outcomes

- CLO1 : Explain expectations of a professional leadership in the scientific and/or engineering workplace including higher management level (e.g., ethical behaviour, strategic project management and organisational theory).
- CLO5 : Demonstrate the necessary communication skills (written and verbal mode) to be an effective leader in a work placement.

Assignment submission Turnitin type

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

Supervisor report

Assessment Overview

At the start of the placement, students will prepare a plan (in discussion with their supervisor) that defines the goals for their placement. This will be complemented by an employer feedback form, completed by the supervisor at the end of the placement.

Course Learning Outcomes

- CLO3 : Practice professional leadership behaviours.
- CLO5 : Demonstrate the necessary communication skills (written and verbal mode) to be an effective leader in a work placement.

Assignment submission Turnitin type

Not Applicable

Online module quizzes

Assessment Overview

Students will complete a series of online quizzes that test their knowledge of self-paced learning modules. Students will receive feedback as part of this process that will assist them to further guide their learning.

Course Learning Outcomes

- CLO1 : Explain expectations of a professional leadership in the scientific and/or engineering workplace including higher management level (e.g., ethical behaviour, strategic project management and organisational theory).

Assignment submission Turnitin type

Not Applicable

WIL placement approval

Assessment Overview

Students must secure a WIL placement and submit supporting documentation as evidence of the arrangement. This documentation should be submitted to the Engineering WIL Team prior to enrolment in the course. See the Engineering WIL Elective information page for details.

Course Learning Outcomes

- CLO1 : Explain expectations of a professional leadership in the scientific and/or engineering workplace including higher management level (e.g., ethical behaviour, strategic project management and organisational theory).

Assignment submission Turnitin type

Not Applicable

Final interview

Assessment Overview

Students will have the option to apply their communication skills and reflect on their placement in a mock interview. The interview will be organised at the request of individuals to the course convenor. These interviews can be for individuals or group of students. Students will receive formative feedback on their performance.

Course Learning Outcomes

- CLO1 : Explain expectations of a professional leadership in the scientific and/or engineering workplace including higher management level (e.g., ethical behaviour, strategic project management and organisational theory).
- CLO2 : Apply in-depth technical knowledge from the program discipline to an industry environment.
- CLO3 : Practice professional leadership behaviours.
- CLO4 : Demonstrate independent, collaborative, and reflective learning as a leader and in a team environment
- CLO5 : Demonstrate the necessary communication skills (written and verbal mode) to be an effective leader in a work placement.

Detailed Assessment Description

This assessment is optional as per student request via email. The purpose is so students can prepare for future interviews in their career.

Assignment submission Turnitin type

Not Applicable

e-Portfolio

Assessment Overview

Students are to compile an e-portfolio consisting of self-evaluation and reflection writing at multiple points during the term. The completed portfolio will be submitted at the end of term.

Course Learning Outcomes

- CLO2 : Apply in-depth technical knowledge from the program discipline to an industry environment.
- CLO3 : Practice professional leadership behaviours.
- CLO4 : Demonstrate independent, collaborative, and reflective learning as a leader and in a team environment

- CLO5 : Demonstrate the necessary communication skills (written and verbal mode) to be an effective leader in a work placement.

Assignment submission Turnitin type

Not Applicable

General Assessment Information

Please note that this course is a satisfactory/not satisfactory course only.

Grading Basis

Satisfactory

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 0 : 20 May - 26 May	Other	Pre-approval documents
Week 1 : 27 May - 2 June	Module	Pre-placement modules
Week 2 : 3 June - 9 June	Module	Reflection
Week 3 : 10 June - 16 June	Module	Ethical Behaviour
Week 4 : 17 June - 23 June	Other	Consultation week
Week 5 : 24 June - 30 June	Module	Project Management
Week 6 : 1 July - 7 July	Other	Flexibility week
Week 7 : 8 July - 14 July	Module	Organisational Theory
Week 8 : 15 July - 21 July	Other	Consolidating previous weeks
Week 9 : 22 July - 28 July	Module	Career planning
Week 10 : 29 July - 4 August	Other	Course wrap-up

Attendance Requirements

Not Applicable - as no class attendance is required

General Schedule Information

This is a self-paced course where the weekly structure is provided in Moodle. Please follow the weekly tasks in Moodle. Classes are for consultation on course material and assessment feedback.

Course Resources

Prescribed Resources

Dowling D and co. (2020). Engineering Your Future An Australasian Guide (4th Edition). Wiley.

Recommended Resources

Horwath, R. (2009). Deep Dive: The Proven Method for Building Strategy, Focusing your Resources, and Taking Smart Action (2nd Edition). Greenleaf Book Group Press.

Martin, M. and Schinzinger, R. (2004). Ethics in Engineering (4th Edition). McGraw-Hill.

James P Trevelyan (2020). Learning Engineering Practice, Taylor & Francis Group.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Sarah Grundy		SEB (E8)		via email	Yes	Yes

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 Plagarism

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. 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

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)