**UNSW Course Outline**

# SENG2991 Software Workplace Practice 1 - 2024

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## General Course Information

**Course Code :**  SENG2991
**Year :**  2024
**Term :**  Term 1
**Teaching Period :**  T1
**Is a multi-term course? :**  No
**Faculty :**  Faculty of Engineering
**Academic Unit :**  School of Computer Science and Engineering
**Delivery Mode :**  Multimodal
**Delivery Format :**  Standard
**Delivery Location :**  Kensington
**Campus :**  Sydney
**Study Level :**  Undergraduate
**Units of Credit :**  6

<u>Useful Links</u>

<u>Handbook</u> <u>Class Timetable</u>

## Course Details & Outcomes

### Course Description

This course provides scholars with a practical application of the fundamental principles of software engineering in an industry environment.

# Course Aims

This course is the first of three fully assessable Industry Placement courses. Students complete this course as part of their Bachelor of Engineering(Hons) (Software) degree. This course allows students to start to develop their capabilities to work as effective Software Engineers. It is only available to students who have an approved position in a relevant workplace.

A key aim in this course is to develop students' lifelong reflection skills. The most realistic experiences on which to reflect generally occur in the workplace. The documentation of reflective activity may include:

- Records of learning
- Reflective records
- Personal development portfolios
- Critical incident diaries

This course helps students develop reflective practices to prepare them for reflective activities in professional practice. This course is designed:

- to start to develop professional skills in software engineering students.
- to provide an understanding of the role of Software Engineers in supporting business operations.
- to refine the ability to 'learn from experience' through personal reflection and analysis of their IT1 experiences.
- to refine the ability to learn through collaborative reflective learning (i.e. via peer exchange of IT1 experiences).

# Course Learning Outcomes

| Course Learning Outcomes |
| --- |
| CLO1 : describe the different phases of the software engineering cycle (requirements, design, implementation and testing) in an industry environment |
| CLO2 : explain the nature of developing a complex software system in which stakeholders from multiple application domains are involved |
| CLO3 : describe how people are managed using collaboration tools to support complex software development activities |
| CLO4 : work effectively in an "agile team" in the workplace |
| CLO5 : explain the role of Requirements and Design Fundamental Concepts and Processes in an industry context |

| Course Learning Outcomes | Assessment Item |
| --- | --- |
| CLO1 : describe the different phases of the software engineering cycle (requirements, design, implementation and testing) in an industry environment | • Weekly Open Learning Platform Activities<br>• Workplace Evaluation |
| CLO2 : explain the nature of developing a complex software system in which stakeholders from multiple application domains are involved | • Weekly Open Learning Platform Activities<br>• Workplace Evaluation |
| CLO3 : describe how people are managed using collaboration tools to support complex software development activities | • Final IT1 Presentation<br>• Weekly Open Learning Platform Activities<br>• Workplace Evaluation |
| CLO4 : work effectively in an "agile team" in the workplace | • Weekly Open Learning Platform Activities<br>• Workplace Evaluation |
| CLO5 : explain the role of Requirements and Design Fundamental Concepts and Processes in an industry context | • Weekly Open Learning Platform Activities<br>• Workplace Evaluation |

# Learning and Teaching Technologies

webcms3

# Learning and Teaching in this course

This course is based on the concept of active learning i.e. the best way to learn Software Engineering skills is to participate in a real workplace. Students learn most effectively when they are thoroughly engaged in the learning process and are supported within the learning environment to take up challenges offered. This philosophy is reflected in the Guidelines on

Learning that Inform Teaching at UNSW.

# Assessments

## Assessment Structure

| Assessment Item | Weight | Relevant Dates |
|---|---|---|
| Weekly Open Learning Platform Activities<br>Assessment Format: Individual | 50% | Due Date: Week 3 & Week 7 |
| Workplace Evaluation<br>Assessment Format: Individual | 20% | Due Date: Completed within 2 weeks of end of placement |
| Final IT1 Presentation<br>Assessment Format: Individual | 30% | Due Date: TBA |

## Assessment Details

### Weekly Open Learning Platform Activities

Course Learning Outcomes

- CLO1 : describe the different phases of the software engineering cycle (requirements, design, implementation and testing) in an industry environment
- CLO2 : explain the nature of developing a complex software system in which stakeholders from multiple application domains are involved
- CLO3 : describe how people are managed using collaboration tools to support complex software development activities
- CLO4 : work effectively in an "agile team" in the workplace
- CLO5 : explain the role of Requirements and Design Fundamental Concepts and Processes in an industry context

### Workplace Evaluation

Course Learning Outcomes

- CLO1 : describe the different phases of the software engineering cycle (requirements, design, implementation and testing) in an industry environment
- CLO2 : explain the nature of developing a complex software system in which stakeholders from multiple application domains are involved
- CLO3 : describe how people are managed using collaboration tools to support complex software development activities
- CLO4 : work effectively in an "agile team" in the workplace
- CLO5 : explain the role of Requirements and Design Fundamental Concepts and Processes in an industry context

**Final IT1 Presentation**

<u>Course Learning Outcomes</u>

- CLO3 : describe how people are managed using collaboration tools to support complex software development activities

# General Assessment Information

<u>Grading Basis</u>

Standard

# Course Schedule

## Attendance Requirements

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

## General Schedule Information

Course schedule will be posted on the Webcms3 site.

# Course Resources

## Prescribed Resources

- Currently enrolled in Program 3707 in the SENGAH stream, and
- in an approved workplace arrangement, and
- completed COMP1511, COMP1531 and COMP2521.
- Non Co-op scholars should contact the Co-op office or ENG Work Integrated Learning team for internship opportunities.

## Course Evaluation and Development

The LIC, Software Engineering Program Director and the Co-op Program office are actively monitoring student learning and quality of the student experience in this program. A random selection of completed assessment tasks may be used for quality assurance, such as to determine the extent to which program learning goals are being achieved. All material used for such purpose will be treated as confidential.

Feedback is regularly sought from students and continual improvements are made based on this feedback. At the end of this course, you will be asked to complete the myExperience survey, which provides a key source of student evaluative feedback. Your input into this quality enhancement process is extremely valuable in assisting us to meet the needs of our students and provide an effective and enriching learning experience. The results of all surveys are

carefully considered and do lead to action towards enhancing educational quality.

In this course, we will seek your feedback through end of term myExperience responses and through informal feedback.

# Staff Details

| Position | Name | Email | Location | Phone | Availability | Equitable Learning Services Contact | Primary Contact |
|---|---|---|---|---|---|---|---|
| | Imran Razzak | | | | | Yes | No |
| | COURSE EMAIL | | | | | No | 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)

## School Contact Information

**CSE Help! - on the Ground Floor of K17**

- For assistance with coursework assessments.

**The Nucleus Student Hub** - [https://nucleus.unsw.edu.au/en/contact-us](https://nucleus.unsw.edu.au/en/contact-us)

- Course enrolment queries.

**Grievance Officer** - [grievance-officer@cse.unsw.edu.au](mailto:grievance-officer@cse.unsw.edu.au)

- If the course convenor gives an inadequate response to a query or when the course convenor does not respond to a query about assessment.

**Student Reps** - [stureps@cse.unsw.edu.au](mailto:stureps@cse.unsw.edu.au)

- If some aspect of a course needs urgent improvement. (e.g. Nobody responding to forum queries, cannot understand the lecturer)