UNSW Course Outline

SENG3993 Software Work Practice 2 - 2024

Published on the 28 Jun 2024

General Course Information

Course Code : SENG3993
Year : 2024
Term : Term 2
Teaching Period : T2
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

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

This course provides scholars with a practical application of the principles of software engineering in an industry environment. This course is only available to Software Engineering Co-op scholars.

Course Aims

This course is only available to UNSW's Software Engineering Co-op Scholars. It is the second of three fully assessable Industry Placement courses. Co-op Scholars complete this course as part of their Bachelor of Engineering(Hons) (Software) degree. This course allows scholars to further refine their capabilities to work as effective Software Engineers.

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, or
- Critical incident diaries

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

This course is designed:

- to enhance professional skills in software engineering students.
- to refine the ability to 'learn from experience' through personal reflection and analysis of their IP2 experiences.
- to refine the ability to learn through collaborative reflective learning (i.e., via peer exchange of IP2 experiences).

Course Learning Outcomes

Course Learning Outcomes
CLO1 : identify the relationships between user requirements, design concepts and implementation considerations during the software design process
CLO2 : correctly use the concepts of user-centred design
CLO3 : identify basic User Experience (UX) and Human Computer Interaction (HCI) issues
CLO4 : implement a quality software system by choosing appropriate languages, libraries and frameworks
CLO5 : use innovative collaborative skills in an agile teamwork environment.
CLO6 : use an advanced SE specialization, such as Web Systems, Business Systems, Embedded Systems, Big Data, Software as a Service (SaaS), DevOps

Course Learning Outcomes	Assessment Item
CLO1 : identify the relationships between user requirements, design concepts and implementation considerations during the software design process	• Weekly Open Learning Platform Activities • Final Presentation • Workplace Evaluation
CLO2 : correctly use the concepts of user-centred design	• Weekly Open Learning Platform Activities • Final Presentation • Workplace Evaluation
CLO3 : identify basic User Experience (UX) and Human Computer Interaction (HCI) issues	• Weekly Open Learning Platform Activities • Final Presentation • Workplace Evaluation
CLO4 : implement a quality software system by choosing appropriate languages, libraries and frameworks	• Weekly Open Learning Platform Activities • Final Presentation • Workplace Evaluation
CLO5 : use innovative collaborative skills in an agile teamwork environment.	• Weekly Open Learning Platform Activities • Final Presentation • Workplace Evaluation
CLO6 : use an advanced SE specialization, such as Web Systems, Business Systems, Embedded Systems, Big Data, Software as a Service (SaaS), DevOps	• Weekly Open Learning Platform Activities • Final Presentation • Workplace Evaluation

Learning and Teaching Technologies

Microsoft Teams

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Weekly Open Learning Platform Activities Assessment Format: Individual Short Extension: Yes (7 days)	50%	
Final Presentation Assessment Format: Individual Short Extension: Yes (7 days)	30%	
Workplace Evaluation Assessment Format: Individual Short Extension: Yes (7 days)	20%	

Assessment Details

Weekly Open Learning Platform Activities

Course Learning Outcomes

- CLO1 : identify the relationships between user requirements, design concepts and implementation considerations during the software design process
- CLO2 : correctly use the concepts of user-centred design
- CLO3 : identify basic User Experience (UX) and Human Computer Interaction (HCI) issues
- CLO4 : implement a quality software system by choosing appropriate languages, libraries and frameworks
- CLO5 : use innovative collaborative skills in an agile teamwork environment.
- CLO6 : use an advanced SE specialization, such as Web Systems, Business Systems, Embedded Systems, Big Data, Software as a Service (SaaS), DevOps

Final Presentation

Course Learning Outcomes

- CLO1 : identify the relationships between user requirements, design concepts and implementation considerations during the software design process
- CLO2 : correctly use the concepts of user-centred design
- CLO3 : identify basic User Experience (UX) and Human Computer Interaction (HCI) issues
- CLO4 : implement a quality software system by choosing appropriate languages, libraries and frameworks
- CLO5 : use innovative collaborative skills in an agile teamwork environment.
- CLO6 : use an advanced SE specialization, such as Web Systems, Business Systems, Embedded Systems, Big Data, Software as a Service (SaaS), DevOps

Workplace Evaluation

Course Learning Outcomes

- CLO1 : identify the relationships between user requirements, design concepts and implementation considerations during the software design process
- CLO2 : correctly use the concepts of user-centred design
- CLO3 : identify basic User Experience (UX) and Human Computer Interaction (HCI) issues
- CLO4 : implement a quality software system by choosing appropriate languages, libraries and frameworks
- CLO5 : use innovative collaborative skills in an agile teamwork environment.
- CLO6 : use an advanced SE specialization, such as Web Systems, Business Systems, Embedded Systems, Big Data, Software as a Service (SaaS), DevOps

General Assessment Information

Grading Basis

Standard

Course Schedule

Attendance Requirements

Not Applicable - as no class attendance is required

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
	Imran Razzak					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

- Course enrolment queries.

Grievance Officer - grievance-officer@cse.unsw.edu.au

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

Student Reps - 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)

You should **never** contact any of the following people directly:

- Vice Chancellor

- Pro-vice Chancellor Education (PVCE)

- Head of School

- CSE administrative staff

- CSE teaching support staff

They will simply bounce the email to one of the above, thereby creating an unnecessary level of indirection and a delay in the response.