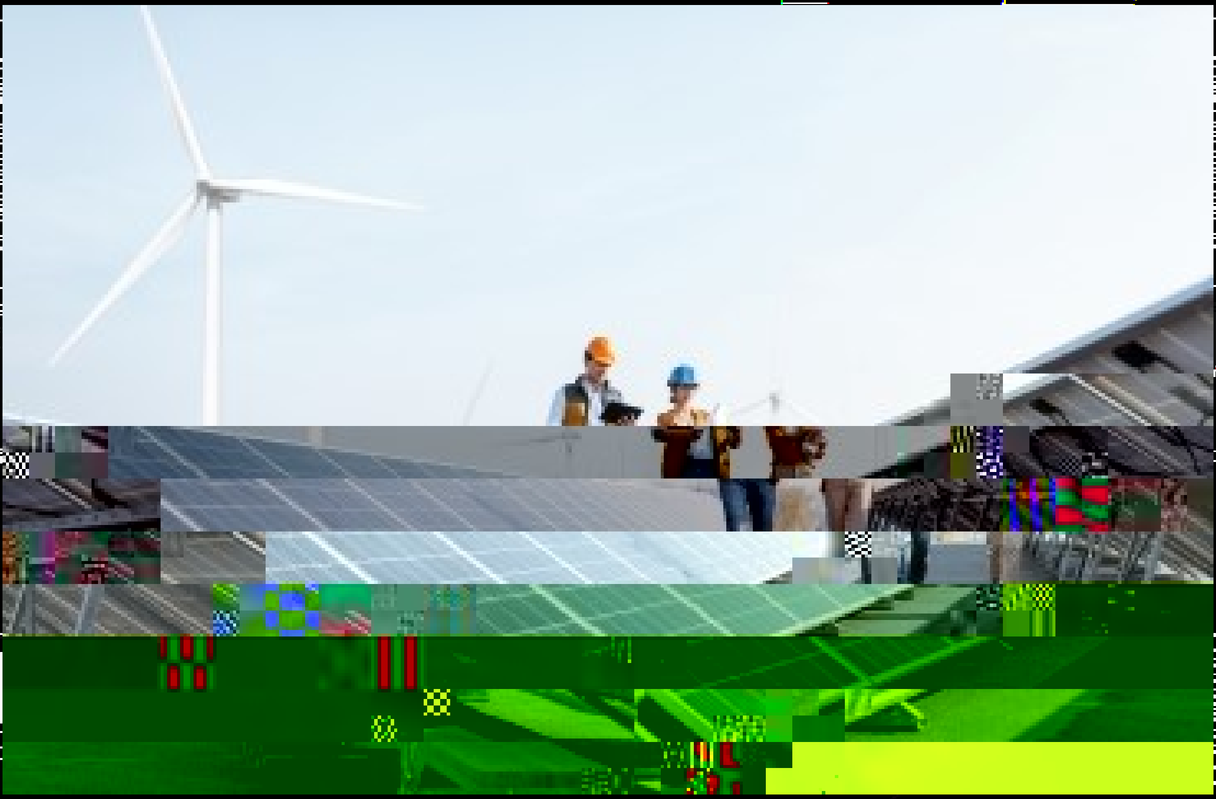
School of Photovoltaic and Renewable Energy Engineering

UNSW Engineering

SOLA4953, SOLA9453



Course Overview

1.

Course Details

The normal workload expectations of a student are approximately 25 hours per term for each UOC, including class contact hours, other learning activities, preparation and time spent on all assessable work.
You should aim to spend about 6 hr/wk on this course. The additional time should be spent in making sure that you understand the material, completing the set deliverables, further reading, and planning.

Thesis Guidelines

- The prerequisites for Thesis B (SOLA4952/9452) and Thesis C (SOLA4953/9453) are Thesis A (SOLA4951/9451) and Thesis B (SOLA4952/9452), respectively.
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activities. Completed or modified versions should be submitted as signed hard copies and MS Word electronic versions to Kian Fong Chin (kf.chin@unsw.edu.au).

Assessment

Thesis C Task	Due Date	Graded
Thesis Submission		

Assessment task	Weight	Due Date	Course Learning Outcomes Assessed
1. Thesis Project and Report	60%	05/08/2022 12:00 PM	1, 2, 3, 4, 5
2. Video presentation	5%	05/08/2022 05:00 PM	5
3. Participation	10%	Not Applicable	1, 2, 3, 4, 5

Assessment 1: Thesis Project and Report

Assessment length: No more than 80 pages
Submission notes: Submit to both the Turnitin assignment and the grading for thesis section
Due date: 05/08/2022 12:00 PM
Deadline for absolute fail: 5 days after the due date

Thesis C continues the project work. The key deliverable is the Written Report. The following course assessments relate to the student’s research planning, conducting the research project and writing the thesis document, and disseminating the results in different forms.

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

Assessment criteria

Students must submit an electronic copy only via turn-it-in on Moodle AND in the thesis marking section by 12pm (midday) Friday 22nd April. Even where a student has been affected by an illness or misadventure, they must submit as much of their thesis as possible, and then lodge a Request for Special Consideration through UNSW Student Central. Students who do not submit by the deadline will be penalised. An extension of time may only be granted after receipt of a Request for Special Consideration, with consideration of the incomplete thesis and only under exceptional circumstances beyond the student's control. For further details please see the section below titled ‘Thesis Withdrawal, Suspension, and Time Extension’. Guidance for writing the thesis, and the specifications for its presentation will be posted on Moodle. Each student is expected to submit their own individual thesis. The thesis must be a standalone piece of work, where even if students have worked in a group it must be able to be viewed as an individual piece of work on its own.

Additional details

The marking criteria is available on moodle

Assessment 2: Video presentation

Assessment length: 3 minutes
Submission notes: Submit to the Voicethread Presentations under Assessment for Thesis Submissions Section
Due date: 05/08/2022 05:00 PM
Deadline for absolute fail: 5 days after due date

In addition to submitting a thesis, students are expected to present a video presentation, in week 10. The video provides relevant information about their project, more details on what to include will be put on the moodle course site.

Assessment criteria

Details can be found on moodle

Assessment 3: Participation

This is given by your supervisor which assesses your engagement and participation throughout the thesis project

Additional details

See Moodle for details

Attendance Requirements

Course Schedule

There are no lectures for this course. Please make sure you stay in contact with your supervisor. It is your responsibility to arrange regular meetings and stay up to date with all deliverables for thesis.

View class timetable

Timetable

Resources

Prescribed Resources

Your supervisor will provide access to the resources you need.

Recommended Resources

- Start work on your topic as soon as you can. This will give you plenty of time to address problems that you may encounter on the way.
- Plan the progress of your thesis using, for example, a GANNT chart, and revise the plan as it proceeds.
- Start by performing a review of the available literature on research completed in the same area as your project. This will help you further define your topic and the direction your thesis will take.
- Order materials as soon as you are sure what you need.
- *ClbLmrc* is bibliographic software that allows you to manage your references in a database.

and, of course, drug trials, body tissues and other medical activities.

Also, projects involving animals will need ethics approval.

If your project does require approval, in the first instance, discuss this with your Supervisor.

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. *Nj_eg_pgqk _r SLQU gq bcdglcb _q sqgle rfc umpbq mp gbc_q md mrfcpq _lb n_qqgle rfck mdd _q wmsp mul,*

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.

If plagiarism is found in your work when you are in first year, your lecturer will offer you assistance to improve your academic skills. They may ask you to look at some online resources, attend the Learning Centre, or sometimes resubmit your work with the problem fixed. However more serious instances in first year, such as stealing another student’s work or paying someone to do your work, may be investigatedre serious i

T integrity and how not to plagiarise.

Important 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

· Equitable Learning Services

Disclaimer

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CRICOS

CRICOS Provider Code: 00098G

Acknowledgement of Country

We acknowledge the Bedegal people who are the traditional custodians of the lands on which UNSW Kensington campus is located.

Appendix: Engineers Australia (EA) Professional Engineer Competency Standard

Program Intended Learning Outcomes	
Knowledge and skill base	
PE1.1 Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline	
PE1.2 Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline	
PE1.3 In-depth understanding of specialist bodies of knowledge within the engineering discipline	
PE1.4 Discernment of knowledge development and research directions within the engineering discipline	
PE1.5 Knowledge of engineering design practice and contextual factors impacting the engineering discipline	
PE1.6 Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline	
Engineering application ability	
PE2.1 Application of established engineering methods to complex engineering problem solving	
PE2.2 Fluent application of engineering techniques, tools and resources	
PE2.3 Application of systematic engineering synthesis and design processes	
PE2.4 Application of systematic approaches to the conduct and management of engineering projects	
Professional and personal attributes	
PE3.1 Ethical conduct and professional accountability	
PE3.2 Effective oral and written communication in professional and lay domains	
PE3.3 Creative, innovative and pro-active demeanour	
PE3.4 Professional use and management of information	
PE3.5 Orderly management of self, and professional conduct	
PE3.6 Effective team membership and team leadership	