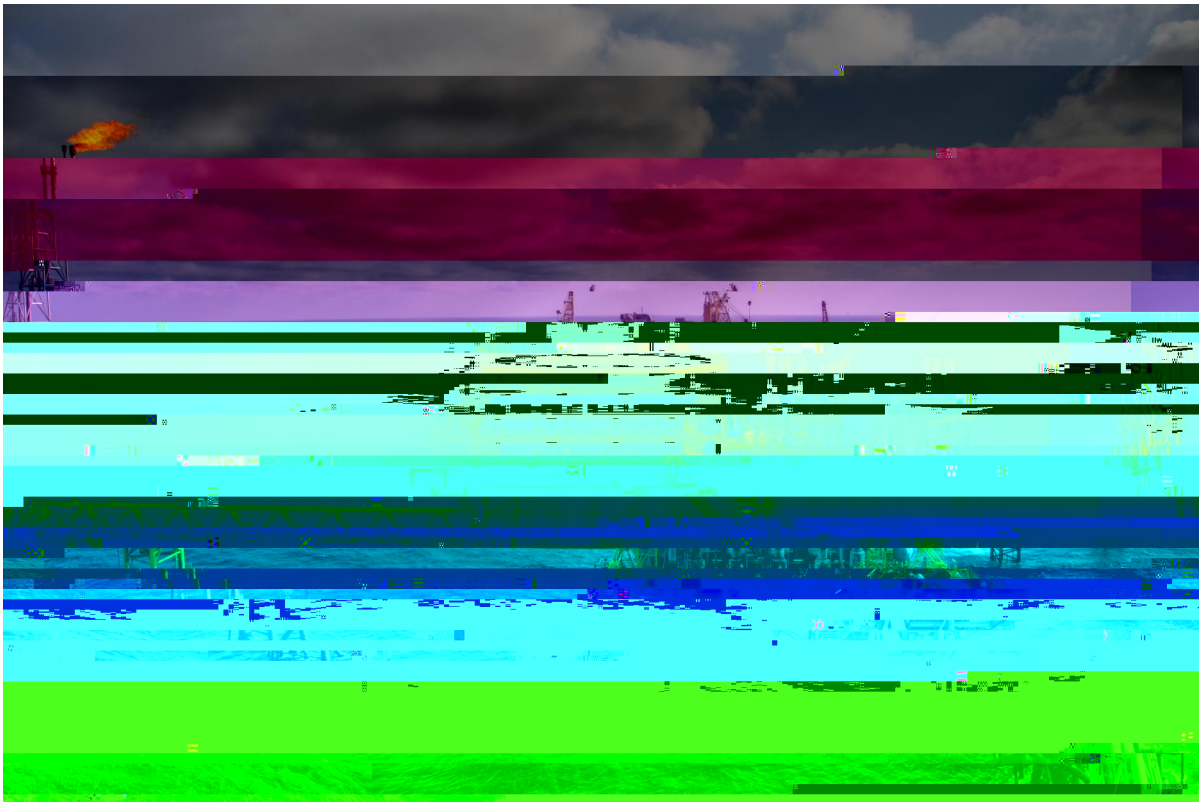


MERE9452

Masters Project B

Term Two // 2021

School of Minerals & Energy Resources Engineering // UNSW Engineering

Course Overview

Staff Contact Details

Convenors

Name	Email	Availability	Location	Phone
Carlito Tabelin	c.tabelin@unsw.edu.au	Via Teams, Email or Phone	Old Main Building, Level 1 Room 159C	+61 (2) 9385 7946
Yu Jing	yu.jing@unsw.edu.au	Via Teams, Email or Phone	Room 218, Tyree Energy Technologies Building K-H6	+61-2-9385 0789

Tutors

Name	Email	Availability	Location	Phone
Zakhar Lanetc	z.lanetc@unsw.edu.au	Via Teams, Email or Phone	Tyree Energy Technology K-H6 261WS01	0468428778

School Contact Information

School of Minerals and Energy Resources
Old Main Building, Level 1, 159 (K15)
UNSW SYDNEY NSW 2052 AUSTRALIA

Engineering Student Services
E: mere.teaching@unsw.edu.au
W: www.engineering.unsw.edu.au/minerals-energy-resources

Course Details

Credit Points 4

Summary of the Course

The project provides an opportunity for you to bring together engineering principles learned over your previous years of study and apply these principles to innovatively solve problems such as the development of a specific design, process and/or the investigation of a hypothesis. Master projects are complex, open-ended problems that allow room for your creativity, and the acquisition, analysis and interpretation of results. There are multiple possible solutions or conclusions at the outset and sufficient complexity to require a degree of project planning. The project requires you to formulate problems in scientific or engineering terms, manage an technical project and find solutions by applying scientific and engineering methods. You will also develop the ability to work in a research and development environment.

Course Aims

The Research Thesis is an individual project in which each student works under the guidance of a

Teaching Strategies

The course is taught as an individual research project, to develop a level of research skills and autonomy.

Private Study

As a rough guide only, an average student would be expected to spend approximately 10 hours per week on work related to this course. More guidance is needed initially from the supervisor when the topic is being defined to establish the objectives and methodology of the thesis.

Supervision

There are no specific hours assigned to this course. Meetings between the supervisor(s) and the student may take place periodically or by private arrangement. Should supervisors be on study leave or unavailable for a considerable period of the session, alternative arrangements need to be established and made known to both the student and course coordinator.

Consultation

The course convenor and tutors will be available via Microsoft Teams to liaise with enrolled students as needed.

Assessment

The assessments in Thesis B are worth 10% of the overall Thesis mark, but you need 50% to pass onto Thesis C or you will need to take Thesis B again.

Assessment Tasks

Assessment task	Weight	Due Date	Student Learning Outcomes Assessed
Progress Report	80%	06/08/2021 11:59 PM	1, 2, 3, 4, 5
Reflections Video	20%	06/08/2021 11:59 PM	2, 5

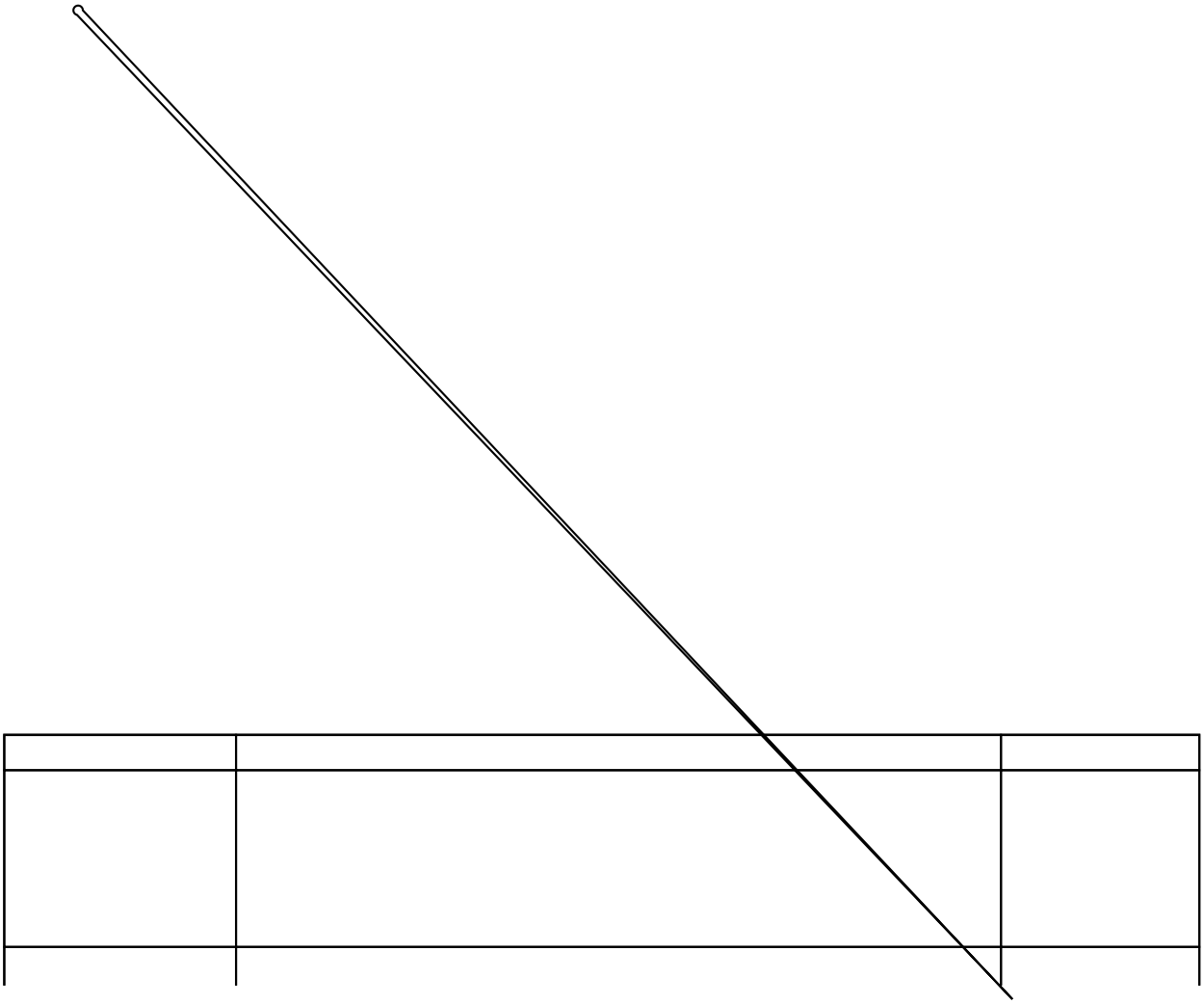
Assessment Details

Assessment 1: Progress Report

Details:

Progress Report

You will report on the following issues:



the remainder of Thesis	• Thesis timeline – for last term – noting changes • Justification of time allocation for each task • Available resources identified • Required training and upskilling identified	
Document Presentation	• Report or slide structure and layout • English skills – spelling, grammar • Data presentation (if applicable) • Clarity of writing • Citations consistent and correctly formatted	10%

Turnitin setting: This assignment is submitted through Turnitin and students do not see Turnitin similarity reports.

Assessment 2: Reflections Video

Details:The student clearly articulates the learning achieved during the process and her enthusiasm for the topic and reflects upon the original hypothesis and the need for altering or clarifying it.

Additional details:

Upload into the Team channel - Reflections Videos for the appropriate term.

Turnitin setting: This is not a Turnitin assignment

Resources

Prescribed Resources

Students are expected to:

European Association of Geoscientists & Engineers	eage.org
Petroleum Exploration Society of Australia	pesa.com.au
Society of Exploration Geophysicists	seg.org
Society of Petroleum Engineers (SPE)	spe.org
Society of Petrophysicists & Well Log Analysts	spwla.org
Geoscience Australia	ga.gov.au

Course Evaluation and Development

Feedback from students in welcomed, and is used to continuously improve the course outcomes and experiences for students.

Laboratory Workshop Information

Please contact your supervisor for laboratory equipment, access or other special resources you might need to complete your thesis.

mission of Assessment Tasks

School has developed a guideline to help you when submitting a course assignment.

ncourage you to retain a copy of every assignment submitted for assessment for your own record in hardcopy or electronic form.

sessments must have an assessment cover sheet attached.

rse completion

se completion requires submission of all assessment items. Failure to submit all assessment items esult in the award of an Unsatisfactory Failure (UF) grade for the Course unless special deration has been submitted and approved. Please note, a competency hurdle of 50% is applied to nal assessment.

e Submission of an Assignment

narks for an assignment are only possible when an assignment is received by the due date.

nderstand that at times you may not be able to submit an assignment on time, and the School will mmodate any fair and reasonable extension. We would recommend you review the UNSW Special ideration guidelines – see section below.

submission will not be accepted and will be considered as no submission.

cial Consideration

an apply for special consideration through The Nucleus Student Hub when illness or other mstances interfere with your assessment performance. Sickness, misadventure or other mstances beyond your control may:

- Prevent you from completing a course requirement
- Keep you from attending an assessable activity
- mitting assessable work for a course
- fect your performance in assessable work, be it a formal end-of-semester class test, a laboratory test, a seminar presentation or any other form of

[redacted]

Academic Honesty and Plagiarism

Your lecturer and the University will expect your submitted assignments are truly your own work. UNSW has very clear guidelines on what plagiarism is and how to avoid it. Plagiarism is using the words or ideas of others and presenting them 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. The University has adopted an educative approach to plagiarism and has developed a range of resources to support students. All the details on plagiarism, including some useful resources, can be found at www.student.unsw.edu.au/plagiarism.

All Mining Engineering students are required to complete a student declaration for academic integrity which is outlined in the assignment cover sheets. By signing this declaration, you agree that your work is your own original work.

If you need some additional support with your writing skills, please contact the Learning Centre or view some of the resources on their website: www.lc.unsw.edu.au. The Learning Centre is designed to help you improve your academic writing and communication skills. Some students use the Centre services because they are finding their assignments a challenge, others because they want to improve an already successful academic performance.

Academic Information

- broadband connection (256 kbit/sec or faster)
- ability to view streaming video (high or low definition UNSW TV options)

More information about system requirements is available at www.student.unsw.edu.au/moodle-system-requirements

Accessing Course Materials Through Moodle

Course outlines, support materials are uploaded to Moodle, the university standard Learning Management System (LMS). In addition, on-line assignment submissions are made using the assignment dropbox facility provided in Moodle. All enrolled students are automatically included in Moodle for each course. To access these documents and other course resources, please visit: www.moodle.telt.unsw.edu.au

How We Contact You

At times, the School or your course convenors may need to contact you about your course or your enrolment. Your course convenors will use the email function within Moodle or we will contact you on your @student.unsw.edu.au email address.

We understand that you may have an existing email account and would prefer for your UNSW emails to

Acknowledgement of Country

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