School of Minerals and Energy Resources Engineering

1. INFORMATION ABOUT THE COURSE

Course Code:	MINE8440	Term:	T2, 2020	Level:	PG	Units/Credits	6 UOC
Course Name:	Mining Industry Research Project 1						

Course Convenor:	A/Prof Seher Ata		
Contact Details	School of Minerals and Energy Resources Engineering Room 159C, Old Main Building	EMAIL:	s.ata@unsw.edu.au
		Phone:	+61 2 9385 7659
Contact times	By appointment		

1.1 Course Description

T 2

Note: Permission to enrol in this course requires written evidence of industry support and/or agreement of an academic supervisor in the School. Industry support is essential for research projects that are to be extended for Masters programs that require MINE8455 and/or MINE8690, and is highly recommended for Graduate Diploma programs. Industry support is to include in-kind contributions from industry staff, access to relevant site data and/or samples and/or resources to support applied research. Industry agreement to publish results of the research is required, or an agreement to publish aggregated results that do not identify specific mine sites or confidential information. Alternatively, academic supervisors offer research projects as part of applied research programs.

1.2 Course Completion

Course completion requires submission of all assessment items; failure to submit all assessment items can result in the award of an Unsatisfactory Failure (UF) grade for the Course.

1.3 Assumed Knowledge

This course assumes that a student:

- has fundamental knowledge in mining engineering and technical disciplines related to the industry research project

2 AIMS, LEARNING OUTCOMES AND GRADUATE ATTRIBUTES

2.1 Course Aims

The course aims to develop the capability and requisite skills of an engineer to build a foundation of knowledge related to a particular industry-related problem. This foundation provides a basis on which to design a solution that is robust and safe, cost effective and research outcomes that are appropriate to the end-user.

2.2 Learning Outcomes

At the conclusion of this course, students should be able to:

1. Define the major issues and benefits associated with a research topic
2. Conduct library search relevant to the research topic and obtain reference sources from various relevant sources.
3. Produce a literature review encompassing a critique of the current state of knowledge related to

5 COURSE ASSESSMENT

5.1 Assessment Summary

The assessment will be based on the four components as outlined in the below table.

All assessments except A4,

Where

- Submissions must be made electronically through Turnitin in the LTMS unless otherwise stated. Students are strongly encouraged to submit their report through the Turnitin (plagiarism detection software) before the due date to see how their assignment is composed with regards to cited works and original content. This will allow students to assess and ensure their assignment meets the School standards before final submission. An originality report with a score higher than 20% may be cause for concern about the originality of content and will be reviewed by the Student's Project Supervisor for potential plagiarism. For further details see the section on University Policies for details on assignment submissions, late submissions and special consideration.

What

- The submission must be:
  - a single document in PDF format; and
  - prepared in the form of a formal report that includes a list of reference sources cited in the report, prepared in accordance with the report writing standards of the School as contained in the MEA Report Writing Guide for Mining Engineers. A copy can be obtained from the UNSW Bookshop or downloaded from the School webpage.
- Each submission must have appended:
  - to the front, a signed copy of the Student Declaration Form and Coversheet; and
  - to the end, a completed self-assessed copy of the Assessment Criteria.

  Copies of both documents are available for download from LTMS.
- It is strongly recommended when preparing the major assignment; students use the Report Template available from LTMS. Note as this template already incorporates the required the Student Declaration Form, a student does not need to separately append a signed copy of coversheet to their assignment.

How

- The submitted document must be consistent with the following file naming convention: < FamilyNameInitials_CourseCode_AssignmentNumber.pdf >.
- A typical complaint filename would take the following form: < SmithPD_MINE8440_A01.pdf > which elements correspond to:
  - Family name of student: Smith
  - Initial(s) of student: PD
  - Course Code: MINE8440
  - Assignment number: A01 ... as defined in the Course Outline for the assessment task
  - File format: PDF document

5.3 Assignment Process

It is the responsibility of the student to identify a suitable project to be undertaken as the core component of this course. Students should contact the Course Convenor in the first instance for advice, who will then direct the student to a potential supervisor within the School.

This course consists of four assessment items: research proposal, progress report, Minor Thesis and overall research progress and meetings. Assessment items will be graded:

- Research proposal: Assessment will be completed by the student's Project Supervisor.

- Progress report: Assessment will be made by the student's Project Supervisor.

- Minor Thesis: Assessment will be carried out by two academics in the School. The student's Project Supervisor may be an examiner.
- Overall research progress and meetings. Assessment will be undertaken by the student's Project Supervisor

In general, it is strongly recommended that a student should arrange to consult with their Project Supervisor on a regular basis to discuss project progress, options and future direction and, issues that may potentially impact performance and/or project completion.

6 ASSESSMENT CRITERIA

The assessment criteria provide a framework for you to assess your own work before formally submittin major assignments to your course convenor. Your course convenor will be using this framework to assess your work and as a way to assess whether you have met the listed learning outcomes and the gradua attributes for your program. We ask that you don't use the assessment criteria guidelines as a checklis but as a tool to assess the quality of your work. Your course convenor will also be looking at the qualit creativity and the presentation of your written assignment as they review the framework. Rubrics, wherever applicable, will be provided at the time of their assignment release.

6.1 Research Project Proposal

x
x
x
x

x
x
x
x
x

Assessment Criteria Research Project Proposal

Criteria	Excellent	Good	Satisfactory	Unsatisfactory	Poor	nil

Criteria	Excellent	Good	Satisfactory	Unsatisfactory	Poor	nil
Results and analysis	xall relevant results are presented in a manner from which meaningful analyses and interpretations are drawn xgood and creative approach to analysis of results interpreted against the stated objectives of the research	xmost results are presented in a manner from which meaningful analyses and interpretations are drawn xresults are interpreted based on established approach relevant to stated objectives of the research	xmany results are presented in a manner from which meaningful analyses and interpretations are drawn xresults are not interpreted against the stated objectives of the research.	xsome results are presented, and some analysis and interpretations of these results are given xnot aligned to the stated objectives of the research.	xpoorly presented some results and/or some results missing xlittle or no analysis or interpretation of results	x

Criteria	Excellent	Good	Satisfactory	Unsatisfactory	Poor	nil
	10 9	8 7	6 5	4 3	2 1	0

Criteria	Excellent	Good	Satisfactory	Unsatisfactory	Poor	nil
Standard of thesis presentation	x**structure of thesis contains all required sections** and follows standard order of presentation progression for a thesis in accord with RWG xstructure follows a logical progression x**format** of is **completely in accord** with the report writing conventions detailed in RWG xuse of **tables, figures and equations is correct** and completely in accord with the RWG with no errors x**writing style is appropriate** and completely					

7 STUDYING A PGCOURSE IN UNSW MINERALS AND ENERGY RESOURCES ENGINEERING

7.1 How We Contact You

At times, the School or your course convenor may need to contact you about your course or your enrolment. Your course convenor 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 be redirected to your preferred account. Please see these instructions on how to redirect your UNSW emails: https://www.it.unsw.edu.au/students/email/index.html

7.2 How You Can Contact Us

We are always ready to assist you with your inquiries. To ensure your question is directed to the correct person, please use the email address below for:

Enrolment or other admin questions regarding your program:
https://unswinsight.microsoftcrmportals.com/webforms/

Course inquiries: these should be directed to the Course Convenor.

7.3 Computing Resources and Internet Access Requirements

UNSW Minerals and Energy Resources Engineering provides blended learning using the Moodle LMS (Learning Management System).

It is essentiald ( )Tj(t)-4 (is)2iEtiald Tj(t)-4 J 0.001 T-6 (b) ftoIidlp2 (d)-4 ftoIid04 (iald Tj(t)-4p2 (d)-4 fm

7.5 Assignment Submissions

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

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

All assessments must have an assessment coversheet attached as described previously. [illegible]

7.9 Students Needing Additional Support

The Student Equity and Disabilities Unit (SEADU) aims to provide all students with support and professional advice when circumstances may prevent students from achieving a successful university education. Take a look at their webpage: www.studentequity.unsw.edu.au/

7.10 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 Centre services because they are finding their assignments a challenge, others because they want to improve an already successful academic performance.

7.11 Continual Course Improvement

At the end of each course, all students will have the opportunity to complete a course evaluation form. These anonymous surveys help us understand your views of the course, your lecturers and the course materials. We are continuously improving our courses based on student feedback, and your perspective is valuable.

Feedback is given via https://student.unsw.edu.au/myexperience and you will be notified when this is available for you to complete.

We also encourage all students to share any feedback they have any time during the course – if you have a concern, please contact us immediately.