



Faculty of Engineering

**School of Minerals and Energy Resources Engineering**

Undergraduate Course Outline

**MINE3430**

**Mining Systems**

**Dr Simit Raval**



## 1. INFORMATION ABOUT THE COURSE

Course Code:	MINE3430	Term:	T1, 2021	Level:	UG	Units/Credits	6 UOC
Course Name:	Mining Systems						

Course Convenor:	<i>Dr Simit Raval</i>						
Contact Details	School of Minerals and Energy Resources Engineering Old Main Building (K15) Room 159	EMAIL:	simit@unsw.edu.au				
		Phone:	+61 2 9385 5005				
Contact times	Wed:	10:00 - 13:00	Quadrangle G02 (K-E15G042)	Week 1 to 10			
	Thu:	10:00 - 12:00	Quadrangle G02 (K-E15G042)	Week 1 to 9			
	Tue:	10:00 - 12:00	Quadrangle G02 (K-E15G042)	Week 11 (If needed)			

### 1.1. Course Description

This course presents a systems approach to the principles, design and application of the major surface and underground mining methods together with the associated equipment, services and infrastructure.

### 1.2. Course Completion

Course completion requires







## 5. COURSE ASSESSMENT

### 5.1. Assessment Summary

Assessment task	Due date / week	Weight	Assessment	Learning outcomes assessed
A01. Quiz 1	Week 5	20%	Quiz on Surface Mining Systems	1, 2, 3, 4, 5
A02. Quiz 2	Week 10	20%	Quiz on Underground Mining System	1, 2, 3, 4, 5
A03. Tutorial\$	Week 2,3,4,7,8 &9	20%	10 tutorials for the complete portfolio	1, 2, 3, 4, 5
A04. Final Exam	TBA	40%	End of semester exam covering the whole course	1, 2, 3, 4, 5

\*Tutorial Portfolio: Students need to submit their worked tutorials at the end of each session. Each submission will be added to their individual portfolio. Marking of the tutorials will be based on completeness of the portfolio. The first 15 minutes of each tutorial will be used to discuss the previous tutorial's solution. Solutions of each tutorial will be given to students a week later and not on the same day. The portfolio will be worth 20% of total course marks.

\*\*In addition to achieving an overall pass in the course, a student is required to achieve a minimum mark of 40% in the final exam.

Assignments related details/submission box will be available online through Moodle. Access to the Moodle site is via the Moodle icon on the MyUNSW homepage.

## 6. ASSESSMENT CRITERIA

The assessment criteria provide a framework for you to assess your own work before formally submitting 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 graduate attributes for your program. We ask that you don't use the assessment criteria guidelines as a checklist, but as a tool to assess the quality of your work. Your course convenor will also be looking at the quality, creativity and the presentation of your written assignment as they review the framework. Rubrics, wherever applicable, will be provided at the time of the assignment release.

## 7. STUDYING MUG COURSE IN UNSW MINERALS AND ENERGY RESOURCES ENGINEERING

### 7.1. 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.





## 7.6. Late Submission of an Assignment

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

We understand that at times you may not be able to submit an assignment on time, and the School will accommodate any fair and reasonable extension. We would recommend you review the UNSW Special Consideration guidelines in the following section.

## 7.7. Special Consideration

You can apply for special consideration through [UNSW Student Centre](#) when illness or other circumstances interfere with your assessment performance. Sickness, misadventure or other circumstances beyond your control may:

- x Prevent you from completing a course requirement,
- x Keep you from attending an assessable activity,
- x Stop you submitting assessable work for a course,
- x Significantly affect your performance in assessable work, be it a formal semester examination, a class test, a laboratory test, a seminar presentation or any other form of assessment.

We ask that you please contact the Course Convenor immediately once you have completed the special consideration application, no later than one week from submission.

More details on special consideration can be found [www.student.unsw.edu.au/special-consideration](http://www.student.unsw.edu.au/special-consideration)

## 7.8. Course Results

For details on UNSW assessment policy, please visit [www.student.unsw.edu.au/assessment](http://www.student.unsw.edu.au/assessment)

In some instances, your final course result may be withheld and not released on the UNSW planned date. This is indicated by a course grade result of either:

- x WD – which



