

School of Minerals and Energy Resources Engineering

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Course Code:	MINE9910	Term:	T2, 2021	Level:	PG	Units/Credits	6 UOC
Course Name:							

Course Convenor:	<i>Dr Guangyao Si / Duncan Chalmers</i>
Contact Details	School of Minerals and Energy Resources Engineering Old Main Building -

This course assumes that a student:

has knowledge of mining terms and descriptions and have been exposed to mining methods and systems.

1. Login to your UNSW Moodle account and find our course [MINE9910-Mine Ventilatio693.hET9](#)

The main purpose of the course material is to provide a complete educational framework for the teaching of ventilation related topics to graduates and suitable candidates from industry. This has been undertaken with a focus on providing knowledge, calculation methods and worked examples currently employed, and pertinent to, the modern underground mining industry. The aim is that, within the limited scope of this course, the contents are both academically suitable and immediately relevant to industry.

Ventilation and Mine Services
Environmental Contaminants
Heat in Underground Mines
Ventilation System Management
Coal Mine Hazards & Control
Mine ventilation planning and Practice

The intended outcomes of the course, with respect to specific modules covered, include;

Awareness of;

- Significance of related topics in underground mining environments.
- Technical issues, assumptions and limitations incorporated in design techniques.
- Health and safety issues, assumptions and limitations.

Knowledge of;

- Underpinning scientific and engineering principles.
- Current legislative requirements and operational standards within the mining industry.
- Engineering and design techniques employed.
- Available solutions to underground environmental control problems.

Competency in;

- Fundamental calculations using laws and relationships provided.
- Demonstration of decision making ability in mine design and problem solving.

Provision of;

- Resources for use in the management of ventilation systems in underground mines.
- Peer networking.

MINE

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1. *Lectures and tutorials:* The interactive sessions could include a traditional lecture using a PowerPoint presentation (or) a tutorial session or a group activity to reinforce the learning. The lecture tutorials will cover a broad breadth of the course materials to explain essential components. These lectures and tutorials are supported by optional tutorial examples in the learning guide. Spreadsheets and other course resources are explained.
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Who

- Assignment number: A01...as defined in the Course Outline for the assessment task
- File format: PDF document

A submission that is non-compliant with the School Policy on *Assignment Submission* and/or requirements as contained in this Course Outline may not be marked and/or penalty marks



Full marks for an assignment or examination question can be obtained were

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 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>

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.microsoftcrmpartals.com/web-forms/>

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

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

It is essential that you have access to a PC or notebook computer. Mobile devices such as smart phones and tablets may compliment learning, but access to a PC or notebook computer is also require[(LMI6(n)-(a)-4(P

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 cover sheet attached.

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 – see following section.

In the case of the Project Report, penalty marks will be applied at the following rate if submitted after the due date: five (5) percentile points of the maximum possible mark for each day or part thereof that the assessment is overdue.

For example if a student submitted the Project Report five days after the due date and the unadjusted mark was 68% then the final adjustment mark for the assignment would be 43%; that is the raw mark of 68% less 25 percentile points (5 days @ 5 percentile points per day).


You can apply for special consideration through [UNSW Student Central](#) when illness or other

misadventure and the course results have not been finalised.

In either event it would be your responsibility to contact the Course Convener as soon as practicable but no later than five (5) days after release of the course result. @ time, you may be required to re-submit an assignment or re-sit the final exam and may result in you failing the course. You would also have a NC (course not completed) mark on your transcript and would need to re-enroll in the course.

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/

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. Pla



Course Convenor: _____
Course Code: _____