



Faculty of Engineering

Postgraduate Course Outline

MINE8120 – 6UOC

Hazard and Risk Identification (Distance mode)

T3, 2020

Associate Professor David Laurence



## 1. INFORMATION ABOUT THE COURSE

Course Code:	MINE8120	Term:	T3, 2020	Level:	PG	Units/Credits	6 UOC
Course Name:	<b>Hazard and Risk Identification</b>						

Course Convenor:	<b><i>A/ Professor David Laurence</i></b>						
Contact Details	School of Minerals and Energy	EMAIL:					
	Resources Engineering						
	Old Main Building, Room G36						

## **2. AIMS, LEARNING OUTCOMES AND GRADUATE ATTRIBUTES**

### **2.1. Course Aims**

This course aims to equip the student with knowledge and skills in risk and safety management in the mining industry.

### **2.2. Learning Outcomes**

It is intended that students who successfully complete this course will be able to:

1. Demonstrate a broad awareness of the wide range of risks that affect and are involved in the mining industry, and how these risks are managed
2. Assess the major risk assessment techniques available and in use in the industry
3. Identify the core risks associated with major mining methods;
4. Recognise the generic mine safety factors and hazards that exist or have potential to exist in mining operations, and demonstrate an awareness of how these are or can be dealt with.

### **2.3. Graduate Attributes**





**Total student effort hours:**    Approx. 100-150

(Note: The above indication of “student effort hours” is indicative only – It reflects the anticipated level of total student involvement with the course – either through accessing or participating in online materials and activities; private research; preparation of assignments. Individual students may find their level of involvement differs from this schedule.

## 5. COURSE ASSESSMENT

### 5.1. Assessment Summary

All assessments are due 12 midnight Sydney time, unless otherwise indicated in the table below.

Assessment task	Release date	Due date	Weight	Assessment
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- 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 -J.00 Td(F)-J.00 Td(F)-J.00. Tw 17.0802 \$ § (d)TT4-2 p0gw 0.85 0 p0gw







If you have concerns about your web access for a course presented in distance mode, we would encourage you to contact the course convenor before the course commences, to discuss whether it will be possible for you to complete a distance course.

#### **7.4 Accessing Course Materials through Moodle**

Course outlines and support materials are uploaded on a Learning Management System (LMS) - Moodle. All enrolled students are automatically included on the Moodle for each course. To access these documents, please visit: [www.moodle.telt.unsw.edu.au](http://www.moodle.telt.unsw.edu.au)

#### **7.5 Assessment Criteria for Postgraduate Programs**

The assessment criteria provide a framework for you to assess your own work before formally submitting major assignments to your facilitator. Your facilitator 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. All students are encouraged to take a closer look at this framework before, during and after completing an assignment.

The descriptions in the framework will help you and your facilitator to identify where your assignment is ranked – from excellent to poor achievement. We ask that you don't use the guidelines as a checklist, but as a tool to assess the quality of your work. Your facilitator will also be looking at the quality, creativity and the presentation of your written assignment as they review the framework.



If you need some additional support with your writing skills, please contact the Learning Centre or view some of the resources on their website: <http://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.

### **7.12 Report Writing Guide for Mining Engineers**

The School has a report writing guide (RWG) available for all mining engineering students. View this website to download a copy of this guide: [https://www.engineering.unsw.edu.au/mining-engineering/sites/mine/files/publications/MEA\\_ReportWritingGuide\\_eBook\\_2018ed.pdf](https://www.engineering.unsw.edu.au/mining-engineering/sites/mine/files/publications/MEA_ReportWritingGuide_eBook_2018ed.pdf)

### **7.13 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 (e)1 ( he)3 (l)14 (idWhe)3 (IH(19.95G (l)4 (l( o)8t):3 Tc3 (s)6 2)3 (y)8 (3.1 T

Course Convenor: \_\_\_\_\_  
Course Code: \_\_\_\_\_ Course Title: \_\_\_\_\_  
Assignment: \_\_\_\_\_  
Due Date: \_\_\_\_\_  
Student Name: \_\_\_\_\_ Student ID: \_\_\_\_\_

### **ACADEMIC REQUIREMENTS**

Before submitting this assignment, the student is advised to review:

- the assessment requirements contained in the briefing document for the assignment;
- the various matters related to assessment in the relevant Course Outline; and
- the