UNIT COORDINATOR(S)
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Consultation hours: normal office hours (by prior appointment)

LECTURER(S)
Name: Chris Langille,
e-mail: cclangi08@gmail.com
Consultation hours: by prior appointment

Name: Eric Williams,
Consultation hours: by prior appointment

ONLINE RESOURCES
Further information about this unit (including a copy of this unit outline) may be obtained from WebCT

INTRODUCTION
This unit covers the following topics: detailed stoping methods, mine planning, equipment selections, organisational structure, cost estimates, mine fill, mine safety, production scheduling, production management, roles and responsibilities, environmental considerations, mine closure and use of appropriate planning tools. Mine design software is used during tutorials and assignments. The unit comprises 39 lectures, and 26 tutorials
**Generic Learning Outcomes**

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Assessment Activity</th>
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| Students who successfully complete this unit should further develop:  
  - ability to apply knowledge of basic science and engineering fundamentals  
  - in-depth technical competence in at least one engineering discipline  
  - ability to undertake problem identification, formulation and solution  
  - understanding of the social, cultural, global and environmental responsibilities of professional engineering, and the need for sustainable development  
  - understanding of the principles of sustainable design and development  
  - expectation of the need to undertake lifelong learning, and capacity to do so. | Tutorials  
Assignments  
Examination |

**Specific Learning Outcomes**

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<tr>
<th>Outcome</th>
<th>Assessment Activity</th>
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| Students develop technical competence and skills relevant to the design and operation of underground mines. They understand the key considerations associated with the development of an underground mine and gain experience in identifying the major problems associated with underground mining and in the use of systematic methods to resolve these issues. Particular emphasis is given on planning, equipment selection, productivities, costs and production scheduling | Tutorials  
Assignments  
Examination |

**Assessment Mechanism Statement**

Assessment consists of assignments and an examination. Final grading of the unit is based on semester two only. No supplementary assessment will be available for the unit. Final unit marks may be modified in accordance with Faculty policy (see [http://www.ecm.uwa.edu.au/for/students/assess](http://www.ecm.uwa.edu.au/for/students/assess))

<table>
<thead>
<tr>
<th>Assessment (subject to change)</th>
<th>Contribution</th>
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<tbody>
<tr>
<td>Assignment 1 due date to be advised</td>
<td>10%</td>
</tr>
<tr>
<td>Assignment 2 due date to be advised</td>
<td>5%</td>
</tr>
<tr>
<td>Assignment 3 due date to be advised</td>
<td>5%</td>
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<tr>
<td>Assignment 4 due date to be advised</td>
<td>45%</td>
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<tr>
<td>3-hour final examination at the end of semester</td>
<td>35%</td>
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**RECOMMENDED READING**
- To be advised

**IMPORTANT INFORMATION**
- Students should be aware of the University guidelines on Academic Misconduct (see [http://www.ecm.uwa.edu.au/for/students/plagiarism](http://www.ecm.uwa.edu.au/for/students/plagiarism))
- Students should be aware of the Faculty Policy for Appeals (see [http://www.ecm.uwa.edu.au/for/students/exams](http://www.ecm.uwa.edu.au/for/students/exams))
- Students should be aware of the Charter of Student Rights (see [http://www.secretariat.uwa.edu.au/home/policies/charter](http://www.secretariat.uwa.edu.au/home/policies/charter))