

Subject Description Form

Subject Code	BRE258
Subject Title	Industrial Safety I
Credit Value	1 Academic Credit
Level	2
Pre-requisite / Co-requisite / Exclusion	Nil
Objectives	To provide health and safety training to BRE students with emphasis being placed upon safety awareness, accident prevention and the safety issues associated with construction industry.
Intended Learning Outcomes	<p>Upon completion of this subject, students will be able to:</p> <ol style="list-style-type: none"> a. Describe the legal requirements/codes of practice relating to construction safety (<i>Syllabus Item 1</i>). b. Describe the common types of work-related accidents and identify potential Occupational Safety and Health hazards at construction sites, and recommend associated preventive measures including the use of personal protective equipment (<i>Syllabus Items 2 and 3</i>). c. Describe the importance of, and procedures for, reporting accidents and dangerous occurrences (<i>Syllabus Item 3</i>); and d. Outline the safety management principles applicable to the construction industry (<i>Syllabus Item 4</i>).
Subject Synopsis/ Indicative Syllabus	<ol style="list-style-type: none"> 1. Overview: Introduction to construction safety; Government's policy in industrial safety; safety & health legislation in Hong Kong. 2. Construction Safety: Construction Sites (Safety) Regulations; codes of practice; potential hazards/risks associated with construction sites and high risk activities such as working in confined space. 3. Safety Technology: Machinery safety and guarding; workplace ergonomics including display screen equipment and manual handling; personal protective equipment; first aid and emergency preparedness; reporting accidents and dangerous occurrences; fire safety, electrical hazards. 4. Safety Management: Safety training; safety policy; safety committees; safety inspection; safety audit.

Learning Methodology	Lectures, supported by illustration, demonstration and student-teacher interaction.																																	
Assessment Methods in Alignment with Intended Learning Outcomes	<table border="1" data-bbox="477 331 1457 707"> <thead> <tr> <th data-bbox="485 342 794 501" rowspan="2">Specific assessment methods/tasks</th> <th data-bbox="802 342 952 501" rowspan="2">% Weighting</th> <th colspan="4" data-bbox="960 342 1449 432">Intended subject learning outcomes to be assessed (Please tick as appropriate)</th> </tr> <tr> <th data-bbox="968 443 1075 501">a</th> <th data-bbox="1083 443 1206 501">b</th> <th data-bbox="1214 443 1337 501">c</th> <th data-bbox="1345 443 1441 501">d</th> </tr> </thead> <tbody> <tr> <td data-bbox="485 512 794 571">1. Coursework</td> <td data-bbox="802 512 952 571">70%</td> <td data-bbox="968 512 1075 571">√</td> <td data-bbox="1083 512 1206 571">√</td> <td data-bbox="1214 512 1337 571">√</td> <td data-bbox="1345 512 1441 571"></td> </tr> <tr> <td data-bbox="485 577 794 636">2. Test</td> <td data-bbox="802 577 952 636">30%</td> <td data-bbox="968 577 1075 636">√</td> <td data-bbox="1083 577 1206 636">√</td> <td data-bbox="1214 577 1337 636">√</td> <td data-bbox="1345 577 1441 636">√</td> </tr> <tr> <td data-bbox="485 642 794 701">Total</td> <td data-bbox="802 642 952 701">100%</td> <td colspan="4" data-bbox="960 642 1449 701"></td> </tr> </tbody> </table>						Specific assessment methods/tasks	% Weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)				a	b	c	d	1. Coursework	70%	√	√	√		2. Test	30%	√	√	√	√	Total	100%				
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Student Study Effort Required	<p data-bbox="477 808 644 842">Class contact:</p> <table border="1" data-bbox="477 853 1457 987"> <tbody> <tr> <td data-bbox="485 864 1147 922">▪ Lecture and Test</td> <td data-bbox="1155 864 1449 922">8 Hrs.</td> </tr> <tr> <td data-bbox="485 934 1147 992">▪ Tutorial</td> <td data-bbox="1155 934 1449 992">14 Hrs.</td> </tr> </tbody> </table> <p data-bbox="477 1003 791 1037">Other student study effort:</p> <table border="1" data-bbox="477 1048 1457 1182"> <tbody> <tr> <td data-bbox="485 1059 1147 1126">▪ Coursework</td> <td data-bbox="1155 1059 1449 1126">3 Hrs.</td> </tr> <tr> <td data-bbox="477 1137 1147 1182">Total student study effort</td> <td data-bbox="1155 1137 1449 1182">25 Hrs.</td> </tr> </tbody> </table>						▪ Lecture and Test	8 Hrs.	▪ Tutorial	14 Hrs.	▪ Coursework	3 Hrs.	Total student study effort	25 Hrs.																				
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Reading List and References	<p data-bbox="477 1211 703 1245">Course material at:</p> <p data-bbox="477 1249 1038 1283">http://158.132.155.107/e-learning/OES/OES.htm</p>																																	