

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 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="527 281 1448 680"> <thead> <tr> <th data-bbox="527 281 847 478" rowspan="2">Specific assessment methods/tasks</th> <th data-bbox="847 281 1008 478" rowspan="2">% Weighting</th> <th colspan="4" data-bbox="1008 281 1448 415">Intended subject learning outcomes to be assessed (Please tick as appropriate)</th> </tr> <tr> <th data-bbox="1008 415 1117 478">a</th> <th data-bbox="1117 415 1226 478">b</th> <th data-bbox="1226 415 1334 478">c</th> <th data-bbox="1334 415 1448 478">d</th> </tr> </thead> <tbody> <tr> <td data-bbox="527 478 847 548">1. Coursework</td> <td data-bbox="847 478 1008 548">70</td> <td data-bbox="1008 478 1117 548">✓</td> <td data-bbox="1117 478 1226 548">✓</td> <td data-bbox="1226 478 1334 548">✓</td> <td data-bbox="1334 478 1448 548"></td> </tr> <tr> <td data-bbox="527 548 847 617">2. Test</td> <td data-bbox="847 548 1008 617">30</td> <td data-bbox="1008 548 1117 617">✓</td> <td data-bbox="1117 548 1226 617">✓</td> <td data-bbox="1226 548 1334 617">✓</td> <td data-bbox="1334 548 1448 617">✓</td> </tr> <tr> <td data-bbox="527 617 847 680">Total</td> <td data-bbox="847 617 1008 680">100</td> <td colspan="4" data-bbox="1008 617 1448 680"></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="527 722 704 751">Class Contact:</p> <table border="1" data-bbox="527 772 1448 905"> <tr> <td data-bbox="527 772 1153 842">▪ Lecture and Test</td> <td data-bbox="1153 772 1448 842">8 Hrs.</td> </tr> <tr> <td data-bbox="527 842 1153 905">▪ Tutorial</td> <td data-bbox="1153 842 1448 905">14 Hrs.</td> </tr> </table> <p data-bbox="527 919 846 949">Other student study effort:</p> <table border="1" data-bbox="527 970 1448 1039"> <tr> <td data-bbox="527 970 1153 1039">▪ Coursework</td> <td data-bbox="1153 970 1448 1039">3 Hrs.</td> </tr> </table> <p data-bbox="527 1054 834 1083">Total student study effort</p> <table border="1" data-bbox="1153 1054 1448 1100"> <tr> <td data-bbox="1153 1054 1448 1100">25 Hrs.</td> </tr> </table>						▪ Lecture and Test	8 Hrs.	▪ Tutorial	14 Hrs.	▪ Coursework	3 Hrs.	25 Hrs.																					
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