

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="478 376 1468 752"> <thead> <tr> <th data-bbox="478 376 796 546" rowspan="2">Specific assessment methods/tasks</th> <th data-bbox="796 376 951 546" rowspan="2">% Weighting</th> <th colspan="4" data-bbox="951 376 1468 479">Intended subject learning outcomes to be assessed (Please tick as appropriate)</th> </tr> <tr> <th data-bbox="951 479 1078 546">a</th> <th data-bbox="1078 479 1206 546">b</th> <th data-bbox="1206 479 1334 546">c</th> <th data-bbox="1334 479 1468 546">d</th> </tr> </thead> <tbody> <tr> <td data-bbox="478 546 796 613">1. Coursework</td> <td data-bbox="796 546 951 613">70%</td> <td data-bbox="951 546 1078 613">√</td> <td data-bbox="1078 546 1206 613">√</td> <td data-bbox="1206 546 1334 613">√</td> <td data-bbox="1334 546 1468 613"></td> </tr> <tr> <td data-bbox="478 613 796 680">2. Test</td> <td data-bbox="796 613 951 680">30%</td> <td data-bbox="951 613 1078 680">√</td> <td data-bbox="1078 613 1206 680">√</td> <td data-bbox="1206 613 1334 680">√</td> <td data-bbox="1334 613 1468 680">√</td> </tr> <tr> <td data-bbox="478 680 796 752">Total</td> <td data-bbox="796 680 951 752">100%</td> <td colspan="4" data-bbox="951 680 1468 752"></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="478 846 646 880">Class contact:</p> <table border="1" data-bbox="478 898 1468 1032"> <tr> <td data-bbox="478 898 1149 965">▪ Lecture and Test</td> <td data-bbox="1149 898 1468 965">8 Hrs.</td> </tr> <tr> <td data-bbox="478 965 1149 1032">▪ Tutorial</td> <td data-bbox="1149 965 1468 1032">14 Hrs.</td> </tr> </table> <p data-bbox="478 1050 794 1084">Other student study effort:</p> <table border="1" data-bbox="478 1102 1468 1169"> <tr> <td data-bbox="478 1102 1149 1169">▪ Coursework</td> <td data-bbox="1149 1102 1468 1169">3 Hrs.</td> </tr> </table> <p data-bbox="478 1187 783 1220">Total student study effort</p> <table border="1" data-bbox="1149 1169 1468 1234"> <tr> <td data-bbox="1149 1169 1468 1234">25 Hrs.</td> </tr> </table>						▪ Lecture and Test	8 Hrs.	▪ Tutorial	14 Hrs.	▪ Coursework	3 Hrs.	25 Hrs.																					
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Reading List and References	<p data-bbox="478 1272 705 1305">Course material at:</p> <p data-bbox="478 1305 1046 1339">http://158.132.155.107/e-learning/OES/OES.htm</p>																																	