

Subject Description Form

Subject Code	IC301
Subject Title	Industrial Safety I
Credit Value	1 Academic Credit
Level	3
Co-requisite	IC354 or TM2005
Objectives	To provide health and safety training to students in the Faculty of CLU 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> <ul 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="480 338 1474 730"> <thead> <tr> <th data-bbox="480 338 820 517" rowspan="2">Assessment Methods</th> <th data-bbox="820 338 991 517" rowspan="2">Weighting (%)</th> <th colspan="4" data-bbox="991 338 1474 439">Intended Learning Outcomes Assessed</th> </tr> <tr> <th data-bbox="991 439 1107 517">a</th> <th data-bbox="1107 439 1230 517">b</th> <th data-bbox="1230 439 1353 517">c</th> <th data-bbox="1353 439 1474 517">d</th> </tr> </thead> <tbody> <tr> <td data-bbox="480 517 820 584">1. Coursework</td> <td data-bbox="820 517 991 584">70</td> <td data-bbox="991 517 1107 584">✓</td> <td data-bbox="1107 517 1230 584">✓</td> <td data-bbox="1230 517 1353 584">✓</td> <td data-bbox="1353 517 1474 584"></td> </tr> <tr> <td data-bbox="480 584 820 651">2. Test</td> <td data-bbox="820 584 991 651">30</td> <td data-bbox="991 584 1107 651">✓</td> <td data-bbox="1107 584 1230 651">✓</td> <td data-bbox="1230 584 1353 651">✓</td> <td data-bbox="1353 584 1474 651">✓</td> </tr> <tr> <td data-bbox="480 651 820 730">Total</td> <td data-bbox="820 651 991 730">100</td> <td colspan="4" data-bbox="991 651 1474 730"></td> </tr> </tbody> </table>						Assessment Methods	Weighting (%)	Intended Learning Outcomes Assessed				a	b	c	d	1. Coursework	70	✓	✓	✓		2. Test	30	✓	✓	✓	✓	Total	100				
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Student Study Effort Required	<p data-bbox="480 813 1474 857">Class Contact</p> <table border="1" data-bbox="480 857 1474 1003"> <tr> <td data-bbox="480 857 1150 936">▪ Lecture & test</td> <td data-bbox="1150 857 1474 936">18 Hrs.</td> </tr> <tr> <td data-bbox="480 936 1150 1003">▪ Tutorial</td> <td data-bbox="1150 936 1474 1003">6 Hrs.</td> </tr> </table> <p data-bbox="480 1014 1474 1059">Other Study Effort</p> <table border="1" data-bbox="480 1059 1474 1149"> <tr> <td data-bbox="480 1059 1150 1149">▪ Coursework</td> <td data-bbox="1150 1059 1474 1149">3 Hrs.</td> </tr> </table> <p data-bbox="480 1149 1474 1216">Total Study Effort 27 Hrs.</p>						▪ Lecture & test	18 Hrs.	▪ Tutorial	6 Hrs.	▪ Coursework	3 Hrs.																						
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Reading List and References	<p data-bbox="480 1238 1474 1272">Course material at:</p> <p data-bbox="480 1305 1474 1339">http://www.ic.polyu.edu.hk/e-learning/OES/OES.htm</p> <p data-bbox="480 1373 1474 1406">http://158.132.155.107/e-learning/OES/OES.htm</p>																																	