



## Subject Description Form

<b>Subject Code</b>	LSGI2000/IC251
<b>Subject Title</b>	Industrial Safety for Surveying and Geo-Informatics
<b>Credit Value</b>	1 Training Credit
<b>Level</b>	2
<b>Pre-requisite/ Co-requisite/ Exclusion</b>	Nil
<b>Objectives</b>	This subject aims to provide basic knowledge of industrial safety at work commensurate with that required for Mandatory Basic Safety Training for construction industry.
<b>Intended Learning Outcomes</b>	Upon completion of this subject, students will be able to:  a) describe the legal requirements/codes of practice relating to construction safety;  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;  c) identify potential work-related hazards and recommend associated preventive measures on field work.
<b>Subject Synopsis/ Indicative Syllabus</b>	<ol style="list-style-type: none"><li>1) <b>Safety Law:</b> Factories and Industrial Undertakings Ordinance and its subsidiary regulations; Occupational Safety and Health Ordinance and its subsidiary regulations; Construction Sites (Safety) Regulations, covering associated hazards and risks including vehicle safety, insect bites, heat stress and foul weather precautions; Overview of Codes of Practices.</li><li>2) <b>Occupational Health:</b> Dangerous Substances and Chemical Safety; Display Screen Equipment; Dust Hazards and Control; Manual Handling (including hands-on session on correct posture); Noise Hazards and Control.</li><li>3) <b>Safety Technology:</b> Electrical safety; Fire Safety including hill fire; Machinery Hazards and Principles of Guarding; Personal Protective Equipment including hands-on sessions covering safety harness and helmet); Emergency Preparedness and Handling, covering Emergency Handling Techniques and First Aid.</li></ol>



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<b>Learning Methodology</b>	<p>The learning begins general study of the local legal requirements, safety concepts and accident phenomenon, followed by a study of hazard identification, risk assessment and control measures. The learning will be supported by video illustrations, case studies and group discussions.</p>																																		
<b>Assessment Methods in Alignment with Intended Learning Outcomes</b>	<table border="1" data-bbox="480 562 1331 945"> <thead> <tr> <th rowspan="2">Assessment Methods</th> <th rowspan="2">Weighting (%)</th> <th colspan="3">Intended Learning Outcomes Assessed</th> </tr> <tr> <th>a</th> <th>b</th> <th>c</th> </tr> </thead> <tbody> <tr> <td>1. Coursework</td> <td>50</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>2. Test</td> <td>50</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Total</td> <td>100</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Assessment Methods	Weighting (%)	Intended Learning Outcomes Assessed			a	b	c	1. Coursework	50	✓	✓	✓	2. Test	50	✓	✓	✓	Total	100										
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<b>Reading List and References</b>	<p><b><u>Reading List</u></b></p> <p>The teaching notes uploaded to the Blackboard platform.</p> <p><b><u>References:</u></b></p> <ol style="list-style-type: none"> <li>1. Labour Department publications on occupational safety available at: <a href="http://www.labour.gov.hk/eng/public/content2_8.htm">http://www.labour.gov.hk/eng/public/content2_8.htm</a></li> <li>2. Labour Department publications on occupational health available at: <a href="http://www.labour.gov.hk/eng/public/content2_9.htm">http://www.labour.gov.hk/eng/public/content2_9.htm</a></li> <li>3. Hong Kong Law Cap 59, Cap 509 and Cap 282 available at: <a href="http://www.legislation.gov.hk/eng/index.htm">http://www.legislation.gov.hk/eng/index.htm</a></li> </ol>																																		