

Subject Code	LSGI2000 / IC251
Subject Title	Industrial Safety for Surveying and Geo-Informatics
Credit Value	1 Training Credit
Level	2
Pre-requisite/ Co-requisite/ Exclusion	Nil
Objectives	This subject aims to provide basic knowledge of industrial safety at work commensurate with that required for Mandatory Basic Safety Training for 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; 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.
Subject Synopsis/ Indicative Syllabus	<ol style="list-style-type: none"> 1) Safety Law: 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. 2) Occupational Health: 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. 3) Safety Technology: 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.

Learning Methodology	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.																											
Assessment Methods in Alignment with Intended Learning Outcomes	<table border="1" data-bbox="536 439 1390 808"> <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			
Assessment Methods	Weighting (%)	Intended Learning Outcomes Assessed																										
		a	b	c																								
1. Coursework	50	✓	✓	✓																								
2. Test	50	✓	✓	✓																								
Total	100																											
Student Study Effort Expected	<p>Class Contact</p> <table border="1" data-bbox="536 920 1390 1055"> <tr> <td>▪ Lecture</td> <td>14 Hrs.</td> </tr> <tr> <td>▪ Tutorial</td> <td>1 Hrs.</td> </tr> </table> <p>Other Study Effort</p> <table border="1" data-bbox="536 1122 1390 1189"> <tr> <td>▪ Coursework</td> <td>20 Hrs.</td> </tr> </table> <p>Total Study Effort 35 Hrs.</p>					▪ Lecture	14 Hrs.	▪ Tutorial	1 Hrs.	▪ Coursework	20 Hrs.																	
▪ Lecture	14 Hrs.																											
▪ Tutorial	1 Hrs.																											
▪ Coursework	20 Hrs.																											
Reading List and References	<p><u>Reading List</u> http://www2.ic.polyu.edu.hk/e-learning/OES/TM2009.htm</p> <p><u>References:</u></p> <ol style="list-style-type: none"> 1. Labour Department publications on occupational safety available at: http://www.labour.gov.hk/eng/public/content2_8.htm 2. Labour Department publications on occupational health available at: http://www.labour.gov.hk/eng/public/content2_9.htm 3. Hong Kong Law Cap 59, Cap 509 and Cap 282 available at: http://www.legislation.gov.hk/eng/index.htm 																											