



Subject Description Form

Subject Code	BSE3859/IC359
Subject Title	Industrial Safety
Credit Value	1 Training Credit
Level	3
Pre-requisite/ Co-requisite/ Exclusion	Nil
Objectives	This subject aims to provide students with safety training, which is commensurate with that required for equivalent Mandatory Safety Training for Construction Industry, so that they will have a positive and responsible attitude towards health and safety matters.
Intended Learning Outcomes	Upon completion of this subject, students will be able to: a) identify the major legal requirements on health and safety at work; b) identify common workplace hazards and corresponding controls; c) identify common construction hazards and develop corresponding controls; d) use some important personal protective equipment; and e) apply risk control priority concept and formulate safe system of 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 subsidiary regulations; Construction Sites (Safety) Regulations, covering associated hazards and risks. 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; 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 with general study of the local legal requirements, safety concepts and accident phenomena, followed by a study of hazard identifications and control measures. The training will be supported by video illustrations, case studies, group discussion and hands-on practices.



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Assessment Methods in Alignment with Intended Learning Outcomes	Assessment Method	Weighting (%)	Intended Subject Learning Outcomes Assessed				
			a	b	c	d	e
	Assignments	50	✓	✓	✓	✓	✓
	Tests	50	✓	✓	✓	✓	✓
	<p>Assignments - Students' learning outcomes are assessed continuously by assignments in the form of worksheets and case studies.</p> <p>Tests - Multiple-choices and short-question type on-line tests are used to assess students on their declarative knowledge and analytical thinking ability.</p>						
Student Study Effort Expected	Class Contact						
	Lecture and test					14 Hrs	
	Practical Session					1 Hr	
	Other Study Effort						
	Coursework					3 Hrs	
	Total Study Effort					18 Hrs	
Reading List and References	<p>Reading Materials:</p> <ul style="list-style-type: none"> • Labour Department publications on occupational safety (http://www.labour.gov.hk/eng/public/content2_8.htm) • Labour Department publications on occupational health (http://www.labour.gov.hk/eng/public/content2_9.htm) <p>References:</p> <ul style="list-style-type: none"> • Hong Kong Law Cap 59, Cap 509 and Cap 282 (https://www.elegislation.gov.hk/index/chapternumber?p0=1&TYPE=1&TYPE=2&TYPE=3&LANGUAGE=E) 						