

Subject Description Form

Subject Code	IC202
Subject Title	Work-Integrated Education (in Summer Semester)
Credit Value	2 Training Credits
Level	2
Pre-requisite	BRE218, BRE291 and IC301
Co-requisite	TM1205
Objectives	This module aims at providing students an opportunity to 'learn by doing' in terms of participating in real site construction project. It is intended to enhance development of all-roundness and professional competences of construction students.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: a) use technical knowledge in construction practices to plan and design method statements for typical construction process; b) apply basic construction and quality control methods in typical building construction work; c) apply interpersonal skills to work co-operatively as a member of the construction project team; d) use building and construction terminology to communicate and interact effectively with peers and working partners in construction project; and e) develop basic project management skills in construction site project.

<p>Subject Synopsis/ Indicative Syllabus</p>	<ol style="list-style-type: none"> 1) general project management; 2) project progress planning & co-ordination; 3) engineering design & drawing; 4) site survey & setting out; 5) site construction according to design; construction methods; 6) good construction practices; 7) construction safety; 8) quality and quantities control; 9) site records and documentations; 10) communication with peers, supervisors and other parties; 11) problem solving, lateral thinking & decision making.
<p>Learning Methodology</p>	<p>The module is in form of a practicum, in which trainees will be highly participative and team playing in a real site construction project. Students are provided opportunity to learn about the roles and tasks of a contractor to gain some insight into the construction engineering profession, to provide working environment for construction students to apply their professional knowledge / skills in a real-life situation.</p>

Assessment Methods in Alignment with Intended Learning Outcomes							
	Assessment Methods	Weighting (%)	Intended Learning Outcomes Assessed				
			a	b	c	d	e
	1. Generic Skills	40	✓	✓	✓	✓	✓
	2. Professional Competence	30	✓	✓	✓	✓	✓
3. Reports & Oral Presentation	30	✓	✓	✓	✓	✓	
Total	100						
	<p>The construction project will be a real construction work project administered and constructed by the students under the supervision of IC staff. The scope of work will in general involve miscellaneous renovation works, minor works, condition survey and building diagnosis in some school improvement projects and other non-government organizations. Students will organize themselves and team-play different roles as in a contractor. The IC staff will be the student's supervisors and mentors, they will work with the students and monitor their performance continuously. At the end of the project, students will present their experience and reflection in with a written report and an oral presentation.</p>						
Student Study Effort Required	Class Contact					150 Hr.	
	Other Study Effort					0 Hrs.	
	Total Study Effort					150 Hrs.	
Reading List and References	<p>Essential Textbooks/ Reading Materials:</p> <p>The Hong Kong Polytechnic University, 2009, Construction Workshop, Reading Materials for the Training Modules of the Industrial Centre</p> <p>References:</p> <p>IC BCU Training Materials & Presentation for Construction Students, web site developed by the Industrial Centre for the training module. http://158.132.155.107/bcu/</p>						