

**City University of Hong Kong  
Course Syllabus**

**offered by Department of Architecture and Civil Engineering  
with effect from Semester A 2017/18**

**Part I Course Overview**

<b>Course Title:</b>	Industrial Training B
<b>Course Code:</b>	CA2514
<b>Course Duration:</b>	1 Semester (Some courses offered in Summer Term may start a few weeks earlier than the normal University schedule. Please check the teaching schedules with CLs before registering for the courses.)
<b>Credit Units:</b>	0
<b>Level:</b>	B2
<b>Proposed Area:</b> <i>(for GE courses only)</i>	<input type="checkbox"/> Arts and Humanities <input type="checkbox"/> Study of Societies, Social and Business Organisations <input type="checkbox"/> Science and Technology
<b>Medium of Instruction:</b>	English
<b>Medium of Assessment:</b>	English
<b>Prerequisites:</b> <i>(Course Code and Title)</i>	Nil
<b>Precursors:</b> <i>(Course Code and Title)</i>	Nil
<b>Equivalent Courses:</b> <i>(Course Code and Title)</i>	BC2514/BC2514P Industrial Training B
<b>Exclusive Courses:</b> <i>(Course Code and Title)</i>	Nil

## Part II Course Details

### 1. Abstract

(A 150-word description about the course)

The course provides an environment for the students to undertake practical industrial training for a period of four weeks so that they understand various practical techniques and processes related to construction engineering.

### 2. Course Intended Learning Outcomes (CILOs)

(CILOs state what the student is expected to be able to do at the end of the course according to a given standard of performance.)

No.	CILOs #	Weighting* (if applicable)	Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
			A1	A2	A3
1.	explain the importance of the practical working processes in building and construction projects;	5%	✓	✓	
2.	explain the roles of the technicians and workers in building and construction projects;	5%	✓	✓	
3.	apply the basic engineering knowledge in studying/performing construction works and processes;	30%		✓	✓
4.	use hands-on approach in demonstrating his/her knowledge and skills on various types of basic construction works related to building construction.	60%		✓	✓
* If weighting is assigned to CILOs, they should add up to 100%.		100%			

# Please specify the alignment of CILOs to the Gateway Education Programme Intended Learning outcomes (PILOs) in Section A of Annex.

#### A1: Attitude

*Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.*

#### A2: Ability

*Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to self-life problems.*

#### A3: Accomplishments

*Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.*

### 3. Teaching and Learning Activities (TLAs)

(TLAs designed to facilitate students' achievement of the CILOs.)

TLA	Brief Description	CILO No.				Hours / week (if applicable)
		1	2	3	4	

Introduction and Briefing Sessions	Introduction and briefing sessions in the workshops	✓	✓	✓		
Demonstrations	Demonstrations of the proper working processes for basic construction works in a building and construction project			✓		
Workshop Trainings	Workshop trainings on construction safety, and performing construction works involved in basic building construction activities by using a hands-on approach				✓	

Semester Hours:	@! hours per week
Lecture/Tutorial/Laboratory Mix:	Lecture (-); Tutorial (-); Laboratory (-)
	@! Total 160 hours on-job or workshop training

#### 4. Assessment Tasks/Activities

(ATs are designed to assess how well the students achieve the CILOs.)

Assessment Tasks / Activities	CILO No.				Weighting*	Remarks
	1	2	3	4		
Continuous Assessment: 100%						
Report Writing	✓	✓	✓	✓	40%	
Quiz	✓	✓	✓	✓	30%	
Grading on works performed			✓	✓	30%	
Examination: 0%						
					100%	

Due to the nature of the course, students shall attain 100% attendance in order to pass the course.

## 5. Assessment Rubrics

(Grading of student achievements is based on student performance in assessment tasks/activities with the following rubrics.)

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B, B-)	Fair (C+, C, C-)	Marginal (D)/ Pass (P) on P/F basis	Failure (F)
Report Writing	Capability to discuss the importance of the practical working processes in building and construction projects, the roles of the technicians and workers in building and construction projects, the basic engineering knowledge in studying/performing construction works and processes, and the experience acquired from using hands-on approach in demonstrating his/her knowledge and skills on various types of basic construction works related to building construction				Basic	Not even reaching marginal level
Quiz	Capability to discuss the importance of the practical working processes in building and construction projects, the roles of the technicians and workers in building and construction projects, the basic engineering knowledge in studying/performing construction works and processes, and the experience acquired from using hands-on approach in demonstrating his/her knowledge and skills on various types of basic construction works related to building construction				Basic	Not even reaching marginal level
Grading on works performed	Ability to apply hands-on approach in demonstrating his/her knowledge and skills on various types of basic construction works related to building construction				Basic	Not even reaching marginal level

**Part III Other Information** (more details can be provided separately in the teaching plan)

**1. Keyword Syllabus**

*(An indication of the key topics of the course.)*

Industrial training on construction engineering and management related trades at a training centre in Construction Industry Council, City University of Hong Kong, Hong Kong Polytechnic University, Vocational Training Council, or equivalent.

**2. Reading List**

**2.1 Compulsory Readings**

*(Compulsory readings can include books, book chapters, or journal/magazine articles. There are also collections of e-books, e-journals available from the CityU Library.)*

1.	Handouts and training guides to be provided by the module instructors
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**2.2 Additional Readings**

*(Additional references for students to learn to expand their knowledge about the subject.)*

1.	Chandler, I., 1987. Building Technology. London: Batsford Ltd.
2.	Grundy, J.T., 1979. Construction Technology. Oxford: Butterworth-Heinemann Ltd.
3.	Chudley, R., 1987. Construction Technology. 2nd ed. Philadelphia: Trans-Atlantic Publications.