CA2505: INDUSTRIAL TRAINING - CIVIL ENGINEERING

Effective Term
Semester A 2025/26

Part I Course Overview

Course Title
Industrial Training - Civil Engineering

Subject Code
CA - Civil and Architectural Engineering
Course Number
2505

Academic Unit
Architecture and Civil Engineering (CA)

College/School
College of Engineering (EG)

Course Duration
One Semester

Credit Units
3

Level
B1, B2, B3, B4 - Bachelor's Degree

Medium of Instruction
Other Languages

Other Languages for Medium of Instruction
English / Chinese

Medium of Assessment
Other Languages

Other Languages for Medium of Assessment
English / Chinese

Prerequisites
Nil

Precursors
Nil

Equivalent Courses
CA2503 Industrial Training - Civil and Structural Engineering

Exclusive Courses

CA2506 Industrial Internship

Part II Course Details

Abstract

The course provides an environment for the students to undertake practical industrial training for a period of eight weeks so that they understand various practical techniques and processes related to civil and structural engineering. This is to fulfil the requirements of The Hong Kong Institution of Engineers (HKIE) regarding practical training of engineers.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	explain the importance of the practical working processes in building and construction projects;		x		
2	explain the roles of the technicians and labours in building and construction projects;		x		
3	apply the basic engineering knowledge to the construction processes;			x	
4	apply appropriate hands-on methods in various working procedures related to construction engineering.			x	

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 real-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.

Learning and Teaching Activities (LTAs)

	LTAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Briefing	Introduction and briefing sessions in workshops	1, 2	
2	Demonstrations	Demonstrations for the working processes in a civil and structural engineering project	2, 3	
3	Workshop	Workshop trainings for practical construction process	4	

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("-" for nil entry)	Allow Use of GenAI?
1	Report writing, grading of the technical skills in the workshop	1, 2, 3, 4	100	-	Yes

Continuous Assessment (%)

100

Examination (%)

0

Minimum Continuous Assessment Passing Requirement (%)

40

Minimum Examination Passing Requirement (%)

0

Additional Information for ATs

100% attendance is required.

Assessment Rubrics (AR)

Assessment Task

Report writing, grading of the technical skills in the workshop

Criterion

1.1 ABILITY to USE the skills and tools introduced in the workshop
1.2 ABILITY to PRESENT the methods learned in the workshop

Failure (F)

Not even reaching marginal levels

Part III Other Information

Keyword Syllabus

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

Reading List

Compulsory Readings

	Title
1	Nil

Additional Readings

	Title
1	Nil