

# CA2066: PROFESSIONALS AND SOCIETY

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## Effective Term

Semester A 2023/24

## Part I Course Overview

### Course Title

Professionals and Society

### Subject Code

CA - Civil and Architectural Engineering

### Course Number

2066

### 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

English

### Medium of Assessment

English

### Prerequisites

Nil

### Precursors

Nil

### Equivalent Courses

CA1166 Professionals and Society

### Exclusive Courses

Nil

## Part II Course Details

### Abstract

The course provides the knowledge on the construction industry, architectural professional practice, procedures, stakeholders, construction project process and control system, safety and environmental issues. It enhances the concern for

professional ethnics and related knowledge of students for handling construction projects and appreciating various issues in the built environment and building industry.

### Course Intended Learning Outcomes (CILOs)

CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	explain the construction project process from initiation, design, implementation to commissioning stages and the roles of key parties in each stage		x	
2	recognize the local context of the construction industry	x		
3	appreciate the important factors affecting the expedition of construction projects	x		
4	practice as a competent construction professional in compliance with the managerial, social and ethical responsibilities	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 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.

### Teaching and Learning Activities (TLAs)

TLAs	Brief Description	CILO No.	Hours/week (if applicable)	
1	Lectures; seminars	Introduce the essential concepts of multidisciplinary construction process and control system; and economic, legal, health, safety, environmental and ethical issues in the engineering construction and development.	1, 2, 3, 4	2
2	Tutorials; site visits	Explore and discuss the contemporary trends, mechanisms and concerns of construction projects and built environment through hand-on exercises, case studies or site visits.	1, 2, 3, 4	1

**Assessment Tasks / Activities (ATs)**

	<b>ATs</b>	<b>CILO No.</b>	<b>Weighting (%)</b>	<b>Remarks</b>
1	Mid-term test	1, 2, 3, 4	25	
2	Assignment	1, 2, 3	25	

**Continuous Assessment (%)**

50

**Examination (%)**

50

**Examination Duration (Hours)**

2

**Additional Information for ATs**

To pass a course, a student must obtain minimum marks of 30% in both coursework and examination components, and an overall mark of at least 40%

**Assessment Rubrics (AR)****Assessment Task**

Mid-term test

**Criterion**

1. ABILITY to RECOGNIZE and EXPLAIN the key concepts, mechanisms, and concerns of the built environment development and construction process

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

**Assessment Task**

Assignment

**Criterion**

1. CAPACITY to INQUIRE and ANALYSE the issues and relevant information and references with respect to given scenarios and context.

2. ABILITY to PRODUCE and ARTICULATE rational, substantiated and original discussion and/or suggestion

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

**Assessment Task**

Examination

**Criterion**

1. ABILITY to EXPLAIN and DISCUSS the key concepts, mechanisms, framework and concerns of the built environment development and construction process

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

## Part III Other Information

**Keyword Syllabus**

Land and building development. Construction control system and regulations. Construction project process and management. Building dilapidation and maintenance. Safety. Pollution and green construction. Roles of construction professionals. Professionalism and ethics.

**Reading List**

**Compulsory Readings**

Title	
1	Nil

**Additional Readings**

Title	
1	Chan, T.W. and Sin, H.C. Construction Project Management - from Theory to Practice. (TH438 .C436)
2	Tang, S.L., Poon, S.W., Ahmed, S.M., and Wong. K.W.F. Modern Construction Project Management. (TH438 .M56)

3	The Chartered Institute of Building. Code of Practice for Project Management for Construction and Development. (TH438 .C626)
4	Hill, M.J. 2001. Building Contract Procedures in Hong Kong. (KNR85.4.B84 H55)
5	Fan, L. C.N. and Yim, K.P. Construction Management and Civil Engineering Practice in Hong Kong. (HD9715.C53 H64)
6	Tong, A. Y. H. Building and Development Control Legislation in Hong Kong. (KNR255 .T66)
7	Lingard, H. and Rowlinson, S. Occupational Health and Safety in Construction Project Management. (TH443 .L56)
8	Poon, S.W., Tang, S.L. and Wong, K.W. Management and Economics of Construction Safety in Hong Kong. (TH443 .P665)
9	Building Department, <a href="http://www.bd.gov.hk">http://www.bd.gov.hk</a>
10	Environmental Protection Department, <a href="http://www.epd.gov.hk">http://www.epd.gov.hk</a>
11	Green, R. (2001). The architect's guide to running a job. Oxford: Architectural Press.
12	HKIA. (2000). Agreement between client and architect and scale of professional charges. Hong Kong: Hong Kong Institute of Architects.
13	Littlefield, D. (2005). An Architect's guide to running a practice. Oxford: Architectural Press.