

CA3172: PROFESSIONAL PRACTICE

Effective Term

Semester A 2025/26

Part I Course Overview

Course Title

Professional Practice

Subject Code

CA - Civil and Architectural Engineering

Course Number

3172

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

Nil

Exclusive Courses

CA3629 Building and Fire Safety Control

Part II Course Details

Abstract

The course aims to provide an understanding of the policy and mechanism in the major statutory and non-statutory control of building development and building design. It enhances students' knowledge of construction and environmental legislations with emphasis on health, safety and environmental matters.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	EXPLAIN the organization of building control and outline the statutory submission procedures for building works in Hong Kong under the Building Authority.		x	x	
2	DISCUSS the importance of the process and principles of land matters, lease control and planning control in a building project in Hong Kong.		x		
3	EXPLAIN development potential calculation, and land-related matters.			x	
4	EXPLAIN and APPLY major statutory and non-statutory requirements related to health, safety and environmental matters.			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	Lecture	Students will engage in formal lectures to gain knowledge of the subject area.	1, 2, 3, 4	
2	Tutorial	Tutorial engages students in more detailed discussions on the lecture materials and/or assessment tasks	3, 4	
3	Seminar	Students will engage in seminar delivered by instructors and/or external guests.	1, 2	

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("- for nil entry)	Allow Use of GenAI?
1	Assignments	2, 3, 4	60	-	Yes
2	Quiz	1, 2, 3, 4	20	-	No

Continuous Assessment (%)

80

Examination (%)

20

Examination Duration (Hours)

1.5

Minimum Continuous Assessment Passing Requirement (%)

30

Minimum Examination Passing Requirement (%)

30

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**

Assignments

Criterion

1.1. DISCUSS the importance of the process and principles of land matters, lease control and planning control in a building project in Hong Kong.

1.2 DEMONSTRATE the understanding of development potential calculation, and land related matters.

1.3. DEMONSTRATE the understandings and APPLY major statutory and non-statutory requirements related to health, safety and environmental matters.

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal level

Assessment Task

Quiz

Criterion

- 2.1. EXPLAIN the organization of building control and outline the statutory submission procedures for building works in Hong Kong under the Building Authority.
- 2.2. DISCUSS the importance of the process and principles of land matters, lease control and planning control in a building project in Hong Kong.
- 2.3. DEMONSTRATE the understanding of development potential calculation, and land related matters.
- 2.4. DEMONSTRATE the understandings and APPLY major statutory and non-statutory requirements related to health, safety and environmental matters.

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal level

Assessment Task

Examination

Criterion

- 3.1. EXPLAIN the organization of building control and outline the statutory submission procedures for building works in Hong Kong under the Building Authority.
- 3.2. DISCUSS the importance of the process and principles of land matters, lease control and planning control in a building project in Hong Kong.
- 3.3. DEMONSTRATE the understanding of development potential calculation, and land related matters.
- 3.4. DEMONSTRATE the understandings and APPLY major statutory and non-statutory requirements related to health, safety and environmental matters.

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal level

Part III Other Information

Keyword Syllabus

Town planning and lands matter. Development potential and development control under lease. Building control and building legislations. Plans approval mechanism; status of codes of practices; practice notes and circular letters; building (planning) regulations, building (construction) regulations, building (administrative) regulations, etc; prescriptive fire safety codes: Means of Escape, Fire Resisting Construction, Means of Access for Fire Fighting and Rescue, etc; Health and hygiene: Prescribe window and curtain wall, Sanitary provision, etc; Barrier free access and universal design; Sustainable design; AP&RSE and Contractors' Registration System; site supervision; appeals; licensing systems.

Reading List

Compulsory Readings

Title	
1	Nil

Additional Readings

Title	
1	Government of HKSAR (Latest Edition). Buildings ordinance Cap. 123. Hong Kong: Government of the HKSAR.
2	Codes of Practice on Fire Safety of Buildings. (current edition)
3	Government of HKSAR (Latest Edition). Building (planning) regulations. Hong Kong: Government of the HKSAR.
4	Government of HKSAR (Latest Edition). Building (administration) regulations. Hong Kong: Government of the HKSAR.
5	Code of Practice on Sanitary Fitment. (current edition)
6	Code of Practice on Barrier Free Access. (current edition)
7	PNAP and circular letters. (current edition)