

CA5301: PROFESSIONAL PRACTICE - BUILDING CONTROLS, CONTRACT ADMINISTRATION AND ETHICS

Effective Term

Semester B 2024/25

Part I Course Overview

Course Title

Professional Practice - Building Controls, Contract Administration and Ethics

Subject Code

CA - Civil and Architectural Engineering

Course Number

5301

Academic Unit

Architecture and Civil Engineering (CA)

College/School

College of Engineering (EG)

Course Duration

One Semester

Credit Units

3

Level

P5, P6 - Postgraduate Degree

Medium of Instruction

English

Medium of Assessment

English

Part II Course Details

Abstract

This course aims to provide students with a comprehensive understanding of key urban planning and building legislations, building contracts and professional ethics. Students are required to integrate and apply statutory and non-statutory controls relating to building projects. The course introduces various forms of construction contracts and tendering procedures in the construction industry. It also aims to arouse students' awareness of the profession's history and ethical issues.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Discover architectural practice as a profession including its history and obligations to society		x		
2	Develop students' awareness of professional ethics in architectural practice		x		
3	Explain the principles of building controls, and applications of key elements in statutory and non-statutory building-related legislations		x	x	
4	Describe various forms of construction contracts and tendering procedures in the architectural projects and understand their applications		x	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	Lectures	Knowledge related to Building Controls, Contract Administration and Ethics	1, 2, 3, 4	
2	Tutorials	In-class discussions and activities on problems related to lecture themes	1, 2, 3, 4	

Additional Information for LTAs

Semester Hours: 3 hours per week

Lecture/Tutorial/Laboratory Mix: Lecture (-); Tutorial (-); Laboratory (-)

Mixed lectures and tutorial sessions

Assessment Tasks / Activities (ATs)

ATs		CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Assignments	1, 2, 3, 4	100	

Continuous Assessment (%)

100

Assessment Rubrics (AR)

Assessment Task

Assignments (Applicable to students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

- CAPACITY to EXPLORE, INVESTIGATE and ORGANIZE knowledge about architectural profession, building controls and construction contracts and tendering procedures
- ABILITY to UNDERSTAND theories and knowledge related to architectural profession and ethics

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

Assignments (Applicable to students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

- CAPACITY to EXPLORE, INVESTIGATE and ORGANIZE knowledge about architectural profession, building controls and construction contracts and tendering procedures
- ABILITY to UNDERSTAND theories and knowledge related to architectural profession and ethics

Excellent

(A+, A, A-) High

Good

(B+, B) Significant

Marginal

(B-, C+, C) Basic

Failure

(F) Not even reaching marginal levels

Part III Other Information

Keyword Syllabus

Architectural practice in Hong Kong; roles and duties of Architects; professional ethics; building control and legislations; building plans approval and Authorized Person system; various forms of construction contracts; tendering and award of construction contract; administration of construction contracts.

Reading List

Compulsory Readings

Title	
1	Nil

Additional Readings

Title	
1	Guide to architecture in Hong Kong/ chief editor, Wong Wah Sang; editor, Edwin Chan, Hong Kong: Pace Publishing Limited, 1998.
2	The architecture students' handbook of professional practice/ the American Institute of Architects, Hoboken, N.J. : Wiley, 2009.
3	Professional Practice 101: business strategies and case studies in architecture / Andrew Pressman, Hoboken, N.J. : Wiley 2006.
4	Construction Law and Practice in Hong Kong - 3rd edition / Cheng T and Soo G, Sweet and Maxwell, 2014.
5	Building Contract Procedures in Hong Kong / Martyn J. Hills, Longman, 2001
6	Planning Department, HKSAR (2000) Hong Kong Planning Standards and Guidelines.
7	Town Planning Ordinance, Hong Kong Laws, Cap. 131.
8	Buildings Ordinance and allied regulations, Hong Kong Laws, Cap. 123.
9	Practice Notes to Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers, Building Department.
10	HKIA Standard Form of Contract, Hong Kong Institute of Architects.
11	The Code of Professional Conduct, Hong Kong Institute of Architects, 2008.