

CA8028: STRATEGIES FOR PLANNING AND CONSTRUCTION

Effective Term

Semester A 2025/26

Part I Course Overview

Course Title

Strategies for Planning and Construction

Subject Code

CA - Civil and Architectural Engineering

Course Number

8028

Academic Unit

Architecture and Civil Engineering (CA)

College/School

College of Engineering (EG)

Course Duration

One Semester

Credit Units

3

Level

R8 - Research Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Additional Information

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.

Part II Course Details

Abstract

This course aims to provide students with an opportunity to appreciate the research topics, strategies and approaches for planning and construction field. Students are expected to understand all stakeholders in a community should work together to analyze, compare, contrast and prioritize different construction technology, development alternatives for a sustainable future. Various methods and approaches, concerning building, planning and construction will be presented, discussed and explored.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	demonstrate the ability and skills in defining a problem and study concerning urban planning and building construction;	25	x	x	
2	identify, select and critically appraise a body of literature and relevant methodologies for planning and construction;	25	x	x	
3	display visual and written communication skills in the presentation of methodologies for planning and construction.	50	x	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	Tutorial, workshop, seminar and self-learning	demonstrate the ability and skills in defining a problem and study concerning urban planning and building construction	1	
2	Tutorial, discussion and presentation	identify, select and critically appraise a body of literature and relevant methodologies for planning and construction	2	

3	Presentation/ Self-practicing	display visual and written communication skills in the presentation of methodologies for planning and construction	3	
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Additional Information for LTAs

Semester Hours: - hours per week

Lecture/Tutorial/Laboratory Mix:

- Lecture (-); Tutorial (-); Laboratory (-)

- Lec/ Tut/ Self-learning mixed mode: total contact/ self-learning: 39 hours. The course is offered in CityU campus (including CityU campus in Mainland China) in Semester B. Students are required to attend 39 hours tutorial/ selflearning/ presentations in 13 weeks or in 3 weeks (intensive study) at 13 hours per weeks.

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("- for nil entry)	Allow Use of GenAI?
1	Assignments and presentations	1, 2, 3	100	-	Yes

Continuous Assessment (%)

100

Examination (%)

0

Minimum Continuous Assessment Passing Requirement (%)

40

Minimum Examination Passing Requirement (%)

0

Assessment Rubrics (AR)**Assessment Task**

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

Criterion

Verbal presentation, report writing

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 and presentations (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Verbal presentation, report writing

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

There is no fixed formal syllabus. Students will be required to appreciate the research methodologies and approaches relating to urban planning, construction and civil/architectural engineering; research work based on literature review will be presented by students and posters and/or short papers will be compiled.

Reading List**Compulsory Readings**

Title	
1	To be explored by the students

Additional Readings

Title	
1	Xinhao Wang and Rainer vom Hofe, Research Methods in Urban and Regional Planning, Springer- Verlag, 2007, DOI https://doi.org/10.1007/978-3-540-49658-8