CA5148: ARCHITECTURE AND URBANISM

Effective Term
Semester B 2024/25

Part I Course Overview

Course Title
Architecture and Urbanism

Subject Code
CA - Civil and Architectural Engineering
Course Number
5148

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

Prerequisites
Nil

Precursors
Nil

Equivalent Courses
Nil

Exclusive Courses
Nil

Part II Course Details

Abstract
Cities are human socio-spatial constructions that enable proximate living, working, and playing, in a shared spatial sphere. Students learn how architectural and urban theories are inter-related today, and in history, and how this will change in

the future, from various perspectives including those of geography, anthropology, economics and ecology. The lenses of urban planning, development and design will frame these perspectives to ensure relevance to architects and the making of spatial form. These are the key operational spheres through which sharing space use in cities happen; designers in and for the city must be able to work with these. Tools and techniques useful for making urban opportunities and constraints both inspirational and informative to architectural design are introduced. Issues that will be explored include spatial design at different spatial scales, the changing role of architects in the city, and concepts of space and place.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Demonstrate knowledge of how urban and architectural theories inter-relate, in the past, present and future, from various disciplinary viewpoints.		x		
2	Conduct urban analysis using selected tools and techniques.		x	x	
3	Apply theory and analysis to address architectural design challenges.		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	Lectures	Students will engage in lectures to acquire knowledge related to urban and architectural theories.	1, 2, 3	
2	Tutorial	Students will engage in tutorials to develop skills of analysis and design.	1, 2, 3	

Additional Information for LTAs

Semester Hours: 3 hours per week

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

Mixed lecture and tutorial sessions, with flipped classrooms.

Assessment Tasks / Activities (ATs)

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

Continuous Assessment (%)

100

Examination (%)

0

Assessment Rubrics (AR)

Assessment Task

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

Criterion

Knowledge of how urban and architectural theories inter-relate, in the past, present and future, from various disciplinary viewpoints.

Ability to conduct urban analysis using selected tools and techniques.

Ability to apply theory and analysis to address architectural design challenges.

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

Knowledge of how urban and architectural theories inter-relate, in the past, present and future, from various disciplinary viewpoints.

Ability to conduct urban analysis using selected tools and techniques.

Ability to apply theory and analysis to address architectural design challenges.

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

Urban design; public good; urban planning; real estate development; architecture; urbanism; spatial design; role of architect; space and place.

Reading List

Compulsory Readings

	Title
1	Mumford, E.P. & ProQuest, 2018. Designing the modern city : urbanism since 1850, New Haven, CT: Yale University Press.
2	Carmona, M., Heath, T., Oc, T. and Tiesdell, S., 2012. Public places-Urban spaces. Routledge.

Additional Readings

	Title
1	Chiaradia, A.J., Sieh, L. and Plimmer, F., 2017. Values in urban design: A design studio teaching approach. Design Studies, 49, pp.66-100.
2	Webster, Chris (2007), Property rights, public space and urban design, in Town Planning Review, Vol. 78, Issue 1, pp. 81-101
3	Marshall, S., 2012. Science, pseudo-science and urban design. Urban Design International, 17(4), pp.257-271. (this is a critique of some of the seminal texts).
4	Larice, Michael and Macdonald, Elizabeth (2006) "The Urban Design Reader" New York: Routledge.