

CA6138: URBAN DESIGN CHARRETTE

Effective Term

Semester B 2024/25

Part I Course Overview

Course Title

Urban Design Charrette

Subject Code

CA - Civil and Architectural Engineering

Course Number

6138

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

CA5136 Foundation Studio for Values and Fundamentals in Design and Planning; and CA5137 Urban Design Studio

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details

Abstract

This course aims to provide students with state-of-the-art design methods of urban design concepts by focusing on regional, territorial, and international issues in urban design and planning. The enquiries by design focus on developing new design

strategies to solve a variety of urban problems in various cities. Students will be asked to use computational tools for analyzing contexts and visualizing strategies as well as creating innovative urban forms. The charrette will take place in the form of intensive design sessions and possibly multi-day meetings with selected potential stakeholders. The meeting schedule can vary every year based on the selected topic and stakeholder's availability.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	identify urban issues occurring in various cities around the World and new advanced design methods		x	x	
2	formulate design concepts and schematic design alternatives by adopting new advanced design methods		x	x	x
3	design an urban design project by developing new design logic and schemes for a selected city		x	x	x
4	prepare professional presentation and documentation of an urban design proposal for proposing a new urban design approach			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	Urban Design Studio	Urban design project	1, 2, 3, 4	
2	Tutorials	Group discussion and presentation of urban analysis, programming, case studies	1, 2, 3, 4	

Additional Information for LTAs

Semester Hours: 3 hours per week

Lecture/Tutorial/Laboratory Mix: Lecture (0); Tutorial (0); Laboratory (3)

3 hours Laboratory of Studio

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Assignment 1 (group)	1, 2, 3, 4	50	
2	Assignment 2 (individual)	1, 2, 3, 4	50	

Continuous Assessment (%)

100

Examination (%)

0

Assessment Rubrics (AR)**Assessment Task**

Assignment 1 (group) (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Attitude to analyse existing contexts

Excellent

(A+, A, A-) Strong evidence of original thinking; good organization, capacity to analyse and synthesize; superior grasp of subject matter evidence of extensive knowledge base

Good

(B+, B, B-) Evidence of grasp of subject, some evidence of critical capacity and analytic ability; reasonable understanding of issues; evidence of familiarity with literature

Fair

(C+, C, C-) Student who is profiting from the university experience; understanding of the subject; ability to develop solutions to simple problems in the material

Marginal

(D) Sufficient familiarity with the subject matter to enable the student to progress without repeating the course

Failure

(F) Little evidence of familiarity with the subject matter; weakness in critical and analytic skills; limited, or irrelevant use of literature

Assessment Task

Assignment 2 (individual) (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Attitude to challenge conventional strategies in urban design

Ability to develop design skills

Accomplishment to demonstrate design alternatives

Excellent

(A+, A, A-) Strong evidence of original thinking; good organization, capacity to analyse and synthesize; superior grasp of subject matter evidence of extensive knowledge base

Good

(B+, B, B-) Evidence of grasp of subject, some evidence of critical capacity and analytic ability; reasonable understanding of issues; evidence of familiarity with literature

Fair

(C+, C, C-) Student who is profiting from the university experience; understanding of the subject; ability to develop solutions to simple problems in the material

Marginal

(D) Sufficient familiarity with the subject matter to enable the student to progress without repeating the course

Failure

(F) Little evidence of familiarity with the subject matter; weakness in critical and analytic skills; limited, or irrelevant use of literature

Assessment Task

Assignment 1 (group) (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Attitude to analyse existing contexts

Excellent

(A+, A, A-) Strong evidence of original thinking; good organization, capacity to analyse and synthesize; superior grasp of subject matter evidence of extensive knowledge base

Good

(B+, B) Evidence of grasp of subject, some evidence of critical capacity and analytic ability; reasonable understanding of issues; evidence of familiarity with literature

Marginal

(B-, C+, C) Sufficient familiarity with the subject matter to enable the student to progress without repeating the course

Failure

(F) Little evidence of familiarity with the subject matter; weakness in critical and analytic skills; limited, or irrelevant use of literature

Assessment Task

Assignment 2 (individual) (for students admitted from Semester A 2022/23 to Summer Term 2024)

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Part III Other Information

Keyword Syllabus

Urban design, Design studio, International studio, New technology, New design method

Reading List

Compulsory Readings

Title	
1	Nil

Additional Readings

Title	
1	R. Roggema (Ed.) (2014) The Design Charrette: Ways to Envision Sustainable Futures, Springer
2	Home & Communities Agency (2007) Urban Design Compendium 1 & 2, UK, Llewellyn Davies Yeung.
3	Neubauer H. and Wachten K (Ed.) (2010) Urban Design & the 20th Century Architecture, Cambridge: UK, h.f.ullmann
4	Larice M. and Macdonald E. (Ed.) (2007) The Urban Design Reader, New York: NY, Routledge
5	http://homesandcommunities.co.uk/udc
6	http://www.rudi.net
7	https://divisare.com/