COURSE OUTLINE

1. GENERAL

SCHOOL	ENGINEERING		
DEPARTMENT	ARCHITECTURE		
LEVEL OF COURSE	UNDERGRADUATE		
COURSE CODE	ARC_1600	**SEMESTER OF STUDIES**	SIXTH
COURSE TITLE	**URBAN DESIGN AND PLANNING 2**		
INDEPENDENT TEACHING ACTIVITIES		**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
Lectures, studio work and assignments		6	8
COURSE TYPE	Field of Science and Skills Development		
PREREQUISITE COURSES:	-		
TEACHING AND ASSESSMENT LANGUAGE:	Greek		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBPAGE (URL)			

2. LEARNING OUTCOMES

This is the second of two studio-based courses on Urban Design and Planning.

The object of the course is the study and understanding of the historical and theoretical framework of the creation, development and constitution of contemporary cities, urbanized areas and suburban landscapes and their critical re-design.

The course deals with a scale that is larger than the building/architectural scale (treated by the architectural design courses) and concerns the elaboration and formulation of design proposals for public urban spaces, building complexes, suburban areas, city-parts, and landscapes.

During the semester, exemplary projects from the history of cities are analyzed and different design methodologies are introduced. The historical evolution of the main components of cities is examined: urban fabric, public space, networks and infrastructures, green spaces, large-scale building complexes.

The specific building program of the design proposals and the basic assumptions of the design are determined by each tutor in collaboration with the students. Students work either individually or in groups of two.

The main goal of the course is the profound understanding of the main methodological tools for analysis and synthesis of a complex and large-scale design problem and its successful correlation with the pre-existing urban environment, the context. Special emphasis is given to the establishment of a conceptual background that supports the design ideas, as well as to the presentation of the design proposals through elaborate drawings and images.

Key research issues are: the understanding of the pre-existing urban environment-context and the principles that govern it, the search and highlighting of reference projects in respective contexts, the determination of the building program of the proposal, its connection to the surrounding urban fabric as well as its presentation through 3D drawings and emblematic images.

The course includes a studio part and a theory part. The theory part is covered by lectures and seminars that treat key issues of theory and methodology of urban design and urban planning. The studio part of the course is conducted by dividing the students into small groups of around 15-20 undertaken by one tutor. The studios offer the possibility of direct communication between tutor and students. Teaching includes critique of the work by the tutor, but also by the students.

The course requires attendance in at least nine weekly courses.

Upon successful completion of Urban Design and Urban Planning courses 1 and 2, students:
• Have acquired a substantial knowledge of the history and constitution of cities.
• Can organize and deal with complex programs of urban or suburban public space, building complexes and parts of cities, landscape configurations of different scales based on different hypothetical scenarios.
• Can formulate complex architectural ideas supported by thorough research, advanced architectural vocabulary, and different design methodologies.
• Besides the use of traditional representational means of architecture, students develop their skills in digital 3D rendering media.

General Abilities

• Search, analysis and synthesis of data and information
• Autonomous work
• Teamwork
• Project design and management
• Exercising criticism and self-criticism
• Promoting free, creative and inductive thinking

3. COURSE CONTENT

i. Introduction of the studio brief - Basic concepts
ii. Study area analysis
iii. Study area analysis – Study of reference projects
iv. Site visit - Documentation of existing condition
v. Understanding and visualizing of existing condition
vi. Understanding and visualizing of existing condition
vii. Mid-term review
viii. Design development - First ideas
ix. Design development
x. Design development
xi. . Design development - Seminar
xii. Completion of design development - Presentation editing
xiii. Completion of design development - Presentation editing

4. TEACHING AND LEARNING METHODS - ASSESSMENT

TEACHING METHODS	Lectures and studio work in small groups
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES	Use of presentation software and real-time search during class presentations. Specialized architectural design software for drafting and modeling (in two and three dimensions), digital image processing. Support learning through the e-class platform.
TEACHING ORGANIZATION	

Activity	*Work Load per Semester*
Lectures and seminars	30

	Seminars	18
	Interactive teaching	30
	Site visit and analysis	12
	Reference projects analysis	36
	Study of bibliography	12
	Introductory assignments	36
	Project	126
	Total number of hours for the Course (25 hours of work-load per ECTS credit)	***300 hours (total student work-load)***
STUDENT ASSESSMENT	I. Final review (50% of total grade) of the semester project with the use of two-dimensional and three-dimensional drawings as well as three-dimensional images. The work is evaluated in terms of completeness of the deliverables, originality in addressing the objectives, and quality of representational media. II. Participation in the course (50% of total grade). Participation in the mid-term review and the studios is taken into account, as well as the consistency and progress of the work throughout the semester.	

5. RECOMMENDED LITERATURE (incl. books in Greek)

- Yannis Aesopos, Yorgos Simeoforidis (eds), *The Contemporary (Greek) City*, Metapolis Press, 2001.
- Savas Contaratos, Wlifried Wang, (eds), *Greece: 20th Century Architecture*, Prestel Verlag, DAM-EIA, 1999.
- Yannis Aesopos (ed), *Tourism Landscapes: Remaking Greece*, Domes, 2015.
- Panos Dragonas (ed), *Made in Athens*, Ministry of the Environment, 2012
- Rem Koolhaas, Stefano Boeri et all (eds), *Mutations*, Actar, 2001
- Άσπα Γοσποδίνη, Ηλίας Μπεριάτος (επιμ.), *Τα νέα αστικά τοπία και η ελληνική πόλη*, Κριτική, 2006
- Δημήτρης Φιλιππίδης, *Νεοελληνική αρχιτεκτονική*, Μέλισσα, 1984

Journals:

- Architecture in Greece
- Domes
- El Croquis
- Domus.