COURSE OUTLINE

1. GENERAL

SCHOOL	ENGINEERING
DEPARTMENT	ARCHITECTURE
LEVEL OF COURSE	UNDERGRADUATE
COURSE CODE	ARC_060	**SEMESTER OF STUDIES**	SIXTH
COURSE TITLE	ARCHITECTURAL DESIGN 6

INDEPENDENT TEACHING ACTIVITIES	TEACHING HOURS PER WEEK	ECTS CREDITS
Lectures, seminars and laboratory work	6	12

COURSE TYPE	Field of Practice and Skills Development
PREREQUISITE COURSES:	Architectural Design 4 (4th semester)
TEACHING AND ASSESSMENT LANGUAGE:	Greek
THE COURSE IS OFFERED TO ERASMUS STUDENTS	Yes
COURSE WEBPAGE (URL)	https://eclass.upatras.gr/courses/ARCH445/

2. LEARNING OUTCOMES

Learning outcomes

The course is the sixth in a row of eight studio courses for Architectural Design (semesters 1-8th). Its object is the design of public buildings and small complexes in a suburban or natural environment.

During the course of the semester, exemplary works from the history of architecture are analysed and we focus teaching on different planning and building methodologies. The studio examines the symbolic dimension of the public building and its role in the suburban or natural landscape and investigates various hypothetical scenarios for the future development of life in the broader man-made or natural environmental context.

The particular object of study is a building of public interest in the natural landscape. The building program and the basic assumptions of design are determined by each tutor with the contribution of the students. Students work either individually or in groups of two.

The main objective of the course is to familiarize students with the main methodological tools of analysis and synthesis that are necessary for addressing a design problem of medium scale and high complexity. Particular emphasis is given to the definition of the conceptual background for the documentation of synthetic ideas, as well as to the presentation of proposals with drawings, images and architectural models.

Some of the basic investigations involve: the defining of the building program, the circulation organisation of the building and its connections to urban networks, and the representation of public space through emblematic images.

The course includes a theoretical and studio component. The theoretical component consists of lectures and in-depth seminars on key issues of architectural theory and design methodology. The studio component of the course is carried on by dividing the students into smaller groups of 15-20. Design studios allow for direct communication between students and tutors. Teaching, also, involves criticism of the projects by the tutors and the students themselves, as well as 6 hrs workshops, where

students develop specific parts of their projects within the class.

The course requires attendance in at least eight weekly lessons.

After successful completing the courses of Architectural Design 5 and 6 the students:

- They have acquired basic knowledge of the history and the symbolic dimension of public buildings.
- They are able to organize complex building programs based on different hypothetical scenarios.
- They have the ability to formulate synthetic architectural ideas supported by thorough research, advanced architectural vocabulary and different design methodologies.
- They have basic knowledge of the layout and organization of buildings of public interest.
- They have developed their skills in handling the traditional architectural representational media (drawing and models) and have become familiar with using digital ones (computer modelling and digital imaging).

General Abilities

- Search, analyze and synthesize data and information, using the necessary technologies
- Autonomous work
- Teamwork
- Design and project management
- Exercise of criticism and self-criticism
  Promote free, creative and inductive thinking

3. COURSE CONTENT

i.	Introduction to the topic - Basic concepts
ii.	Study of reference works
iii.	Formulation of a building program
iv.	Formulation of a building program
v.	Site analysis
vi.	Developing concepts
vii.	Interim presentation of concepts
viii.	Building design - Elaborating on the proposal workshop
ix.	Building design - Elaborating on the proposal workshop
x.	Building design - Elaborating on the proposal workshop
xi.	Interim presentation of an integrated proposal
xii.	Developing presentation material
xiii.	Developing presentation material

4. TEACHING AND LEARNING METHODS - ASSESSMENT

TEACHING METHOD	Laboratory work face to face and seminars in small groups.
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES	Specialized architectural design software for drafting and modeling (in two and three dimensions) and digital image processing. Student posts on the course's blog. Support learning through the e-class platform.
TEACHING ORGANIZATION	

Activity	Work-load during semester
Lectures and seminars	30
Design Workshops	18
Interactive teaching	30
Site visit and analysis	12
Analysis of reference works	36

	Bibliographical research	12
	Introductory exercises	36
	Core project development	126
	Course Total *(25 hrs of work-load per ECTS unti)*	*300*

STUDENT ASSESSMENT	I. Final public Submission and Presentation (50%). It consists of drawings, models and digital audiovisual material. The final project submission and presentation is evaluated for the integration and degree of completion of the required material, its originality in addressing the goals and the quality of the representational media. II. Attendance, progress and participation (50%). The overall assessment of the student's progress in the course takes into consideration his/her participation in the Interim Exams and Workshops, as well as his/her Consistent and regular attendance and progress of the work throughout the semester.

5. RECOMMENDED LITERATURE

Books:

- Mack, Gerhard and Herald Szeemann, (1999), *Art Museums into the 21st century*, Basel: Birkhauer.
- Betsky, Aaron, and Erik Adigard, (2000), *Architecture Must Burn: a manifesto for an architecture beyond building*, London: Thames & Hudson.
- Magnago Lampugnani, Vittorio [edt]; Sachs, Angela [edt], (1999), *Museums for a new millennium concepts projects buildings*, Munich: Prestel.
- Savvas Contaratos, Wlifried Wang, (επιμ.) Architecture in the 20th Century: Greece, Prestel Verlag, DAM-EIA, 1999, 2000.
- Paul Lewis, Mark Tsuramaki, David J. Lewis, Manual of Section: New York USA, Princeton Architectural Press, 2016.

Periodicals:

- Αρχιτεκτονικά Θέματα
- Δομές / DOMES
- El Croquis
- Domus
- Architectural Review