

COURSE OUTLINE

1. GENERAL

SCHOOL	ENGINEERING		
DEPARTMENT	ARCHITECTURE		
LEVEL OF COURSE	UNDERGRADUATE		
COURSE CODE	ARC_040	SEMESTER OF STUDIES	FOURTH
COURSE TITLE	ARCHITECTURAL DESIGN 4		
INDEPENDENT TEACHING ACTIVITIES		TEACHING HOURS PER WEEK	ECTS CREDITS
Lectures, seminars and laboratory work		6 (lab.+sem.)	12
COURSE TYPE	Field of Practice (Architectural Design) and Skills Development (Architectural Analysis and Representation)		
PREREQUISITE COURSES:	Architectural Design 1 (1st semester)		
TEACHING AND ASSESSMENT LANGUAGE:	Greek		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	Yes (in English)		
COURSE WEBPAGE (URL)	https://patrasdesigngroup.wixsite.com/as3-1718 https://eclass.upatras.gr/courses/ARCH426		

2. LEARNING OUTCOMES

Learning outcomes
<p>The course is the fourth in a row of eight studio courses for Architectural Design (semesters 1-8th). The course focuses on designing a collective home and exploring the housing conditions of the Greek countryside and the city. The course investigates the typology of modern residence in the creation of settlements and apartment buildings where the basic principles of urban housing are taught. Key issues are, the relationship between complexes and blocks of flats with the urban and suburban environment, the coexistence of private - public spaces, and the impact of architecture on collective housing.</p> <p>Design object is a residential complex or a block of flats for students in the surrounding area of the University. The building program combines residential and public programs determined by each student. Importance is given to the site analysis and environment observation.</p> <p>The course aims to familiarize students with the main methodological tools of analysis, synthesis and representation that solve a complex building problem in the creation of an urban or suburban web. Recognition of the environment and its interpretation through planning is a basic objective of the course. Basic issues of investigation are: the structure of building blocks, the organization of circulation, the layout of the typical unit and their alternatives, and the various relationships between public and private spaces.</p> <p>The course consists of a theoretical and a studio component and requires attendance in at least eight weekly lessons. The studio structure of the course is supported by a theoretical discourse through lectures and seminars on issues of architectural analysis, methodology and theory. In the studio, students are distributed into small groups of 15 to 20 people supervised by a tutor. Each tutor follows closely the process of its teamwork and collectively supports the student projects with studio critics, lectures and seminars on issues of architectural theory and practice.</p>

With the successful completion of the course, the skills acquired by the course are as follows:

- Critical thinking in formulating clear questions and abstract ideas which lead to reasoned conclusions against specific criteria and standards.
- Research methodology in the collection, evaluation, recording and applying information.
- Understanding the importance of 'concept' in the process of architectural design as a basic methodology for solving complex problems. Exploring the different social and cultural parameters that determine the design of a community.
- Knowledge of the basic principles of building norms and regulations for housing.
- Acquire skills in conceptual structure of an architectural program and project
- Ability to respond to the physical and structured features of a context.
- 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).
- Basic knowledge of materials and construction techniques to respond to specific architectural ideas and suggestions.
- They have developed teamwork skills and co-operation with the aim of constantly improving at an individual and team level
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General Abilities

By the end of this course the student will, furthermore, have developed the following skills (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, living standards and history of housing architecture.
- II. Study of reference blocks of flats and complexes – methodology of analysis
- III. Presentations of precedents and formulation of building objectives
- IV. Design studio - Site Analysis
- V. Program configuration
- VI. Design studio - first ideas
- VII. Design studio – building design
- VIII. Midterm presentation (concept and proposals)
- IX. Design studio - programmatic organization
- X. Functional organization and circulation of complex buildings – studio
- XI. Design studio –sections and plans
- XII. Design studio – building design
- XIII. Interim presentation of an integrated proposal
- XIV. 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 site. Support learning through the e-class platform.	
TEACHING ORGANIZATION	Activity	Work-load during semester
	Lectures and seminars	30
	Design Workshops	35
	Analysis of reference works	30
	Site visit and analysis	15
	Introductory exercises and presentations	40
	Core project development	150
	Course Total (25 hrs of work-load per ECTS unit)	300
STUDENT ASSESSMENT	<p>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.</p> <p>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.</p>	

5. RECOMMENDED LITERATURE

Books:

1. Αρτινός, Α., Η ετεροτοπία της καλύβας, Αθήνα: Σμίλη, 2014.
2. Heidegger, Μ., Κτίζειν, Κατοικείν, Σκέπτεσθαι, Αθήνα: Πλέθρον, 2008.
3. Καλογήρου, Ν. (επιμ.), Σύγχρονες ελληνικές κατοικίες, Θεσσαλονίκη: Μαλλιάρης Παιδεία.
4. Λαδά, Α. (επιμ.), Κατοικία: σχεδιάζω, κατασκευάζω, σκέπτομαι, Θεσσαλονίκη: University Studio Press, 2015.
5. Le Corbusier, Ένα μικρό σπίτι, Αθήνα: Libro, 1998.
6. Λέφας, Π., Αρχιτεκτονική και κατοίκηση: Από τον Heidegger στον Koolhaas, Αθήνα: Πλέθρον, 2008.
7. Sennett, R., Η τυραννία της οικειότητας, Αθήνα: Νεφέλη, 1999.
8. Φατούρος, Δ., Ένα συντακτικό της αρχιτεκτονικής σύνθεσης, Θεσσαλονίκη: Επίκεντρο, 2007.
9. Φιλιππίδης, Δ., Νεοελληνική αρχιτεκτονική, Αθήνα: Μέλισσα, 1984.
10. Η κατοικία στην Ελλάδα από τον 20^ο στον 21^ο αιώνα, Αθήνα ΕΙΑ, 2009.