

COURSE OUTLINE

1. GENERAL

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| SCHOOL | ENGINEERING | | |
| DEPARTMENT | ARCHITECTURE | | |
| LEVEL OF COURSE | UNDERGRADUATE | | |
| COURSE CODE | ARC_030 | SEMESTER OF STUDIES | THIRD |
| COURSE TITLE | ARCHITECTURAL DESIGN 3 | | |
| 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://design-upatras.wixsite.com/ad3-2022-doaup https://eclass.upatras.gr/courses/ARCH418 | | |

2. LEARNING OUTCOMES

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| Learning outcomes |
| <p>The course is the third in a row of eight studio courses for Architectural Design (semesters 1-8th). It is an introduction to the design of buildings and small complexes. It focuses on the concept of habitation and the design of individual residence. Key issues are discussed, such as the importance of references in the design process, the role and basic principles of building techniques in the organization and design of space, the relationship between building and landscape, and the impact of contemporary living standards on the architecture of the individual residence.</p> <p>The course aims to familiarize students with the methodological tools of analysis, synthesis and representation that solve a complex architectural project of small scale and high complexity. The importance of the concept design is a basic objective of the course. Design research issues are, the volumetric structure of the building blocks, the circulation patterns and the programmatic organization, the relationship between enclosed and open space and between private and shared in the residential context. Design object is a small residence in the natural landscape. The habitation scenario, which refers to the program and the specific features of the surrounding landscape, is determined by each student in collaboration with the tutor.</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> <p>Since the beginning of the semester, emphasis has been placed on basic skills along with the introduction of students to the basic elements of architecture. Specifically, with the successful completion of the course, the skills acquired by the course are as follows:</p> |

- Critical thinking on the formulation of abstract ideas in order to achieve a resonant stance against specific criteria and standards.
- Research methodology in collecting, evaluating, recording and applying information.
- They have understood the importance of the concept in the process of architectural design as a research of the different social and cultural parameters that determine the architectural discourse.
- Knowledge of the basic principles of building housing.
- Acquire skills in the conceptual structure of an architectural project.
- The 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

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 and history of housing
- II. Study of reference works (analysis methodology)
- III. 1st design project: Design study of a minimal structure
- IV. Design studio
- V. Presentation of the 1st design project
- VI. 2nd design project: a house, site analysis
- VII. Design studio - first ideas
- VIII. Design studio – programmatic organization
- IX. Design studio – building design
- X. Midterm presentation (concept and proposals)
- XI. Design studio –sections and plans
- XII. Design studio – building design
- XIII. Design studio – presentation issues

4. TEACHING AND LEARNING METHODS - ASSESSMENT

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| 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. |

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| | 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 |
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| 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.