



UNIVERSITY OF NICOSIA

ΠΑΝΕΠΙΣΤΗΜΙΟ ΛΕΥΚΩΣΙΑΣ

University of Nicosia, Cyprus

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| Course Code ARCH-401 | Course Title Architectural Design VI | ECTS Credits 12 |
| Department Architecture | Semester Fall | Pre-requisites ARCH-302 |
| Type of Course Major Requirement | Field Architecture | Language of Instruction English |
| Level of Course 1 st cycle | Year of Study 4th | Lecturer(s) Dr Petros Lapithis Yiorgos Hadjichristou |
| Mode of Delivery Face-to-face | Work Placement N/A | Co-requisites none |

Objectives of the Course:

- The emphasis is on student-centered active learning, which means being involved in a wide range of experiences and exercises. Students are encouraged to develop their own direction and solutions, imaginatively and creatively, through set studio design projects, supported by full-time studio tutors and leading practitioners.
- To continue enhancing the critical thinking ability of the students: to develop the students' ability to identify from the beginning the major issues of any given projector assignment, to analyse the primary conditions, on which they will also use their critical thinking approach.
- To develop the students' ability to gradually create their own methodology of assembling various critical or analytical issues or conditions that can innovatively direct proposals.
- To further strengthen the students' consideration/ sensitivity towards the site conditions, social circumstances, sustainability etc: not only by analysing the existing conditions, but also by directing the proposed conditions into supporting/ enhancing the considered conditions.
- To further embed students' methodology with advanced theory and technology. The students will direct their explorations to inaugurate their own participation in the contemporary architectural dialogue by more decisively determining the theoretical base of their approach as well by resolving / proposing their own proposed technological/ structural systems.
- To transpose their acquired knowledge into the workplace setting, and to assimilate the practice based learning to begin an extended design project.
- Energy and the thermal environment in buildings are studied. The motivation for energy efficiency on an international, national and individual basis is discussed. An investigation of the way in which buildings respond to both the external and internal climatic conditions forms a major part of this course. Additional events are arranged to study current developments and applications in the theory and practice of environmental design: some of these are visits, with explanatory commentaries by the appropriate experts, to buildings of interest, especially those recently completed.

Learning Outcomes:

- Critical thinking. To develop students' ability to articulate a personal design philosophy.
- To realize and communicate their personal design philosophy through innovative built forms.
- To transpose their acquired knowledge into the workplace setting, and to assimilate the practice based learning to begin an extended design project.
- To demonstrate the ability to communicate effectively with colleagues, manage project teams and engage in productive working relationships, both in the workplace and in the design studio.
- Ability to analyse social, economic, sustainable and environmental issues
- Personal skills in expression and communication
- Capacity for synthesis in formalisation of social, cultural and political needs and requirements.
- Ability to create architectural designs that satisfy both aesthetic and technical requirements.
- Understanding of the relationship between people and buildings, and between buildings and their environment, and of the need to relate buildings and the spaces between them to human needs and scale;
- Understanding of the methods of investigation and preparation of the brief for a design project;
- Adequate knowledge of the physical problems and technologies and of the function of buildings so as to provide them with internal conditions of comfort and protection against the climate;

Learning Activities and Teaching Methods:

Lectures, Studio Presentations, Studio Tutorials, Practical Exercises and Assignments, Projects

Assessment Methods:

Assignments, Diagrams, Models, Presentations, Sketchbook, Homework, Project, Mid-Term, Final Project

Required Textbooks/Reading:

| Authors | Title | Publisher | Year | ISBN |
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Recommended Textbooks/Reading:

Readings will vary per semester, class and topic