



UNIVERSITY OF NICOSIA

ΠΑΝΕΠΙΣΤΗΜΙΟ ΛΕΥΚΩΣΙΑΣ

University of Nicosia, Cyprus

Course Code ARCH-232	Course Title Space & Light	ECTS Credits 4
Department Architecture	Semester Spring	Pre-requisites ARCH-201 / ARCH-202
Type of Course Major Elective	Field Architecture	Language of Instruction English
Level of Course 1 st cycle	Year of Study 2nd	Lecturer(s) Dr Petros Lapithis
Mode of Delivery Face-to-face	Work Placement N/A	Co-requisites None

Objectives of the Course:

- To introduce students to the principles of natural and interaction with visual perception and aesthetics.
- To study, analyze and criticize the basic functions of lighting as design element.
- To define colour, light sources, measurement and control as they affect the interior and exterior environment and to use this knowledge creatively in designing projects.
- To teach students how to transfer this information of lighting plans and specifications
- To encourage students to explore how the luminous aspects of space can control subjective mood and convey symbolic values.
- Comprehend the value of light, as an essential element of design. Rethink its role in design As:
- Light revealing structure; light emphasizing materials; a connecting or separating element of space, light to create a focus.
- Differentiate daylight from artificial light; to be able manipulate both depending on your objectives and goals.
- Use this knowledge creatively in designing projects.
- To expose students to design factors affecting indoor comfort and explore concepts, structures and techniques that lie behind the realization of energy conscious design.

Learning Outcomes:

After completion of the course students are expected to be able to:

- To introduce students to the principles of natural and artificial light and its interaction with visual perception and aesthetics.
- To study, analyze and criticize the basic functions of lighting as design element.
- To define colour, light sources, measurement and control as they affect the interior and exterior environment and to use this knowledge creatively in designing projects.
- To encourage students to explore how the luminous aspects of space can control subjective mood and convey symbolic values.
- An adequate knowledge of 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
- Ability to create architectural designs that satisfy both aesthetic and technical requirements.
- 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.

Course Contents:

- Light in interior spaces
- Aesthetic value of light
- Light and symbolic meanings
- Daylight
- Equipment/furnishing
- Light sources
- Measurement of light
- Light control
- Lighting for exterior spaces

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

Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
King, C.	Designing with light: the creative touch	Rizzoli, New York	1997	0866365826
Russell, S	The Architecture of Light	Conceptnine	2008	0980061709
Whitehead, R	The art of outdoor lighting	Rockport Publishers	1999	1564968189