

Global Learning Semesters

Course Syllabus

Course: DES-465 Interior Energy Conscious Design

Department: Design

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
DES-465	Interior Energy Conscious Design	3
Semester Offered	Contact Hours	Prerequisites
Spring	42	Senior
Department	Level of Course	Language of Instruction
Design	Upper Division	English

Course Description

- Introduction to Indoor Comfort
- Interior Layout for Energy Savings
 - Solar gains
 - Ventilation
 - Cooling
- Building elements design for energy saving
 - Walls
 - Windows
 - Doors
 - Floors/Roofs
- Interior Planning for Day lighting
- Furnishings and Finishes

Instructor

Petros Lapithis

Course Aims and Objectives

The course studies the human and social impact of the built environment upon the inhabitants of that environment: physically, emotionally and psychologically. Contemporary perspectives on the relationship between human behaviour, designed environments and energy efficiency are examined. The course explores the implications on those relationships for the purpose, nature and future direction of design education, design research and design practice. Students become aware of design factors affecting indoor comfort and explore concepts, structures and techniques that lie behind the realisation of energy conscious design.

Teaching Methods

The course is delivered through a mixture of lectures, studio presentations, studio tutorials and practical exercises and assignments.

Course Teaching Hours

42 hours . The course is delivered during the Spring semesters in 14-weeks (3 hours/week).

Evaluation and Grading

Homework:	20%
Mid-Term:	30%
Final Exam:	50%

Readings and Resources

Required Textbook

There is no required textbook in this course.