

Global Learning Semesters

Course Syllabus

Course: ARCH-175 Computer Aided Design

Department: Design

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
ARCH-175	Computer Aided Design	3
Semester Offered	Contact Hours	Prerequisites
Please contact us	42-45	ARCH-172
Department	Level of Course	Language of Instruction
Design	Lower Division	English

Course Description

The course is designed to teach students the basic capabilities of computerized design and to allow practice in different kinds of design on the computer including: drawing on the computer fast, correcting drawing errors, revisions of the same drawing and three dimensional drawing. At the completion of the course the student should be able to produce 2d and 3d graphic files, view perspectives of 3d drawings, and to follow all the procedures necessary to prepare a drawing from initial design creation through final plot output.

Prerequisites

ARCH-172

Topic Areas

1. Introduction to Windows
2. Introduction to CAD
3. AutoCAD Overview
4. AutoCAD Command Summary
5. Utility commands
6. Colors
7. Draw commands
8. Edit, Inquiry and Modify commands
9. Display controls
10. Drawing Aids
11. Dimensioning, Hatching and text
12. Plotting
13. Getting started on 3D
14. Using 3D Entities
15. Controlling dynamic 3D display

Readings and Resources

Recommended Reading

- Baker, R (1997) Designing the future: the computer transformation of reality; Thames and Hudson, London