Global Learning Semesters
Course Syllabus
Course: ARCH-241 Advanced Computer Aided Design
Department: Design
Host Institution: University of Nicosia, Nicosia, Cyprus

Course Summary		
Course Code	**Course Title**	**Recommended Credit Hours**
ARCH-241	Advanced Computer Aided Design	3
Semester Offered	**Contact Hours**	**Prerequisites**
Please contact us	42-45	ARCH-175
Department	**Level of Course**	**Language of Instruction**
Design	Lower Division	English

Course Description

The course is designed as a continuation to ARC- 175 to teach the student the basic capabilities of computerised design. It uses a full-featured 2D/3D computer aided design product for drafting, design, visualisation, analysis and modeling. Powerful 2D production drafting tools and a comprehensive 3D surface modeling and visualization environment help students turn their ideas into reality. 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-175

Topic Areas

1. Drawing tools
2. Working Units
3. Angles/Grid
4. Accudraw/Snaps
5. Measurements
6. Making drawings legible
7. Working with shapes
8. Working with the Smart line and Curve tools
9. Intro to the text element
10. The element selection tool
11. Viewing your drawing
12. Levels
13. Graphic Groups
14. Patterning an area
15. Intro to dimensions
16. Plotting overview

Readings and Resources

Recommended Reading

- Notes on the software will be given during the lectures.
- Baker, R. (1993) Designing the future: the computer transformation of reality; Thames and Hudson, London UK.
- Chakkour, M.H. (1996) Painting with computers; Rockport Publishers, Rockport MA.