

## Global Learning Semesters

### Course Syllabus

Course: ARCH-341 CAD & Mixed Media

Department: Design

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
ARCH-341	CAD & Mixed Media	3
Semester Offered	Contact Hours	Prerequisites
Please contact us	42-45	ARCH-241
Department	Level of Course	Language of Instruction
Design	Upper Division	English

### Course Description

The course is designed as a continuation to ARCH-241 to teach the student advanced capabilities of computerized design and to assist them in exploring new, personal presentation styles. It uses a full-featured 3D computer aided design product for drafting, design, visualization, analysis, animation and modeling. A powerful 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 3D graphic files, view perspectives and axonometric of 3D drawings and to follow all the procedures necessary to prepare a drawing from initial design creation through final plot output. Emphasis is placed on rendering using the computer through realistic presentations of color, texture, materials and light sources. Multimedia techniques are also explored including scanning, photomontage, use of Photoshop, 3D Studio Max and mixed media techniques.

### Prerequisites

ARCH-241

### Topic Areas

1. 3D modeling
2. Perspectives/Axonometric
3. Texture/color rendering
4. Materials presentation
5. Lighting arrangements
6. Scanning
7. Photoshop
8. Photomontage

### Readings and Resources

#### Recommended Reading

- Spalder, A. (1999) The computer in the visual arts; Addison-Wesley Publishing Company UK
- Baker, R. (1993) Designing the future: the computer transformation of reality; Thames and Hudson UK
- McKelvey, R. (1998) Hypergraphics; Rotovision UK
- Wright, M. (1995) An introduction to mixed media; Dorling Kindersley UK

- Agosto ed. (1998) Photoshop Masters; Rockport Publishers MA