

Global Learning Semesters

Course Syllabus

Course: DES-175 Computer Aided Design

Department: Design

Host Institution: University of Nicosia, Nicosia, Cyprus



| Course Summary | | |
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| Course Code | Course Title | Recommended Credit Hours |
| DES-175 | Computer Aided Design | 3 |
| Semester Offered | Contact Hours | Prerequisites |
| Fall | 42 | None |
| Department | Level of Course | Language of Instruction |
| Design | Lower Division | English |

Course Description

- Introduction to Windows, Introduction to CAD
- AutoCAD Overview, AutoCAD Command Summary
- Utility commands, Colors, Draw commands
- Edit, Inquiry and Modify commands , Display controls
- Drawing Aids, Dimensioning, Hatching and text
- Plotting
- Getting started on 3D, Using 3D Entities, Controlling dynamic 3D display

Instructor

Petros Lapithis

Course Aims and Objectives

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.

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 fall semesters in 14-weeks (3 hours/week).

Evaluation and Grading

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

Readings and Resources

Required Textbook

There is no required textbook in this course.

Recommended Reading

Baker, R (1997) Designing the future: the computer transformation of reality; Thames and Hudson, London
The ABCs of AutoCAD Release 2000