

COURSE OUTLINE
CADD-105
CAD Projects and Presentations
3 Credits

HOWARD COMMUNITY COLLEGE

Description

In this course, the student will combine all the skills and techniques of the previous courses to plan and develop a project. The student will learn current production accounting techniques while developing the project. The student will experience the cost factors that directly affect a project. The student will learn the various presentation techniques using computer graphics to enhance the project. Prerequisite: Eligible to enroll in ENGL-121; CADD-104. (2 hours lecture, 2 hours lab)

Overall Course Objectives

Upon completion of this course, the student will be able to:

1. Utilize the skills and techniques of the prior courses to plan and develop a project.
2. Utilize production and cost accounting techniques during project development.
3. Create working applications for the project.
4. Utilize CAD in presentations of a project.
5. Interface between system language and consultants.
6. Setup rules for layering of project drawings.
7. Create a project application checklist.
8. To create and evaluate personnel training programs.
9. To combine CAD with conventional drafting.
10. To apply electronic filing techniques.

Major Topics

- I. Requirements for Setting up a CAD System
 - A. Selecting Hardware
 - B. Selecting Software
 - C. Selecting Personnel
 - D. Training

- II. Developing a CAD Office
 - A. Standards and Procedure
 - B. Management Objectives
 - C. Documentation
 - D. Systems Planning

- III. Using CAD in Production
 - A. Output Devices
 - B. Generating Hardcopy Output
 - C. Alternative Parallel Approaches

- IV. Using CAD in Presentations
 - A. Presentation Planning
 - B. Proposal Presentations
 - C. Marketing Presentations
 - D. Multiple Medium Presentations

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member with emphasis on the following:

Final grades will be based on lab exercises, homework, quizzes and unit tests.

Writing: CAD-specific writing assignments will be assigned to students by a faculty member.

Other Course Information

This course is a course in the Computer-Aided Design program.