Course Outline
CADD 201
Computer-Aided Design Specialization
3 Credits

The Community College of Baltimore County

Description

CADD 201 -- Computer-Aided Design Specialization increases knowledge and facility using MicroStation software to reinforce the concepts of reference fills, cells and level symbology; explores customizing techniques used to increase productivity and the software's modeling and rendering tools.

3 Credits: 2 lecture and 2 laboratory hours

Prerequisite: CADD 111.

Overall Course Objectives

Upon completion of this course students will be able to:

1. create a three dimensional model;
2. develop working drawings from a 3-D model;
3. create complex surface models;
4. use sheet files to facilitate the creation of working drawings;
5. explain the function and advantage of dimension driven design;
6. create auxiliary coordinate systems;
7. use complex curves to create surface geometry;
8. create solid models using Boolean operations;
9. animate models; and
10. prepare drawings for posting on the WEB.

Major Topics

I. Review of AccuDraw
II. Sheet Files
III. Complex and conic curves.
IV. Dimension Driven Design
V. Auxiliary Coordinate Systems
VI. Dimensioning and Detailing
VII. Creating Surface Models
VIII. Solid Modeling
IX. Animation
X. WEB Publishing

Course Requirements

Grading/Exams: Grading procedures will be determined by the individual faculty member but will include the following:

Grading/exams

- Portfolio including a minimum of three graded exercises
- A minimum of three tests
- One comprehensive midterm and final examination (Two examinations)

Written Assignments: Students are required to use appropriate academic resources.

Other Course Information

This course is a core course in the CADD curricula. This course is taught in a computerized environment. Offered spring semester only.

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