

Course Outline
CADD 106
Self-Paced Computer Aided Design
1 semester hour

The Community College of Baltimore County

Description

Self-Paced Computer Aided Design

Emphasizes the generic use of the microcomputer as a CAD tool; introduces students to the user interface and basic commands of the system..

1 credit; 3 laboratory hour per week.

Overall Course Objectives

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

1. Open and close AutoCAD[®].
2. Zoom and pan within a drawing.
3. Use absolute, relative and polar coordinates to locate points.
4. Create 2-D geometry.
5. Edit 2-D geometry.
6. Organize a drawing using layers, colors, and lifestyles.
7. Create drawings using CAD construction techniques.
8. Create and edit text and text styles.
9. Create and insert blocks.
10. Plot drawings.

Major Topics

1. Starting a Drawing
2. AutoCAD[®] Interface
3. Coordinate Systems
4. Display Commands
5. Creating 2-D Geometry
6. Editing 2-D Geometry
7. Layers, Colors and Linetypes
8. Construction Techniques using Trim, Offset, and Fillet
9. Text
10. Blocks
11. Plotting

Course Requirements

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

1. Comprehensive final examination
2. Portfolio

Other Course Information

This course is self-paced.

This course is taught in a computerized environment.

This course should be completed using 40 hours of lab time.