

Course Outline
CADD 102
Intermediate AutoCAD®
3 semester hours

The Community College of Baltimore County

Description

Intermediate AutoCAD®

Includes advanced editing techniques, manipulations of dimensioning variables, creating template drawings, and drawing strategies.

3 credits; 2 lecture hours and 3 laboratory hours per week. Prerequisites: CADD 101 or permission of program coordinator.

Overall Course Objectives

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

1. Recognize and apply standard drafting principles in a CADD environment.
2. Develop working drawings using AutoCAD®.
3. Use the geometry calculator to make mathematical calculations.
4. Make point selections using point filters.
5. Plot CADD drawings at designated scales.
6. Use selection set filters to create custom selection sets, according to specific object types and properties.
7. Explain plot styles, plot style tables and plot style modes.
8. Create and insert drawings and blocks using the AutoCAD® DesignCenter.
9. Define the function of external references.
10. Develop and use hyperlinks.

Major Topics

1. Review of basic CAD commands
2. Drawing strategies
3. Layers
4. Object properties
5. Geometry calculator
6. File maintenance and storage
7. Text and text styles
8. Point filters
9. Plotting
10. Selection sets
11. Blocks and AutoCAD® DesignCenter
12. External references

13. CAD internet applications

Course Requirements

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

1. Graded exercises
2. Periodic tests
3. Comprehensive final examination
4. Portfolio

Other Course Information

This course is a course in the CADD curricula that may be used instead of CADD 101.
This course is taught in a computerized environment.
There are 2 lecture and 3 laboratory hours per week.