

Course Outline
CADD 121
Customizing AutoCAD®
3 Credits

The Community College of Baltimore County

Description

Customizing AutoCAD - emphasizes custom designing software for individual user needs and applications; includes file management functions, ascribing and editing of blocks, writing macros, editing on-screen menus, customizing user menus, and writing script files.

3 Credits: 2 lecture hours and 2 laboratory hours

Prerequisite: CADD 101 or permission of program coordinator.

Overall Course Objectives

Upon completion of this course students will be able to:

1. set AutoCAD® preferences;
2. load and unload toolbars;
3. set text styles;
4. create and use attributed blocks;
5. extract attributes for use in spreadsheet or database programs;
6. create plot style tables;
7. plot to a plotter and the Web;
8. integrate Word and Excel data with AutoCAD®;
9. create and implement macros; and
10. create customized toolbars.

Major Topics

- I. Preferences
- II. Text Styles
- III. Blocks and Attribute Creation
- IV. Extracting Attributes
- V. Plotting
- VI. Hyperlinking and Using the Web
- VII. Object Linking and Embedding
- VIII. Macro Language
- IX. Plotting
- X. Toolbars

Course Requirements

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.