



CENTRAL PIEDMONT COMMUNITY COLLEGE

CORPORATE & CONTINUING EDUCATION

Course Number: CAD7012
Course Title: AutoCAD 2008 Level I
Course Hours: 40 Hours

Last Revised On: 4/25/08

Description:

Upon completion of AutoCAD Level 1, the student will be able to create a basic 2D drawing using drawing and editing tools, organize drawing objects on layers, add text and basic dimensions, and prepare to plot. For maximum flexibility, the course is divided into two parts, the first presenting essential skills, the second covering more sophisticated techniques for drawing setup and productivity. The two parts combined will fulfill the requirements for AutoCAD Level 1.

Objectives:

- Understanding the AutoCAD workspace and user interface
- Using basic drawing, editing, and viewing tools
- Organizing drawing objects on layers
- Inserting reusable symbols (blocks)
- Preparing a layout to be plotted
- Adding text, hatching, and dimensions
- Using more advanced editing and construction techniques
- Creating local and global blocks
- Setting up layers, styles, and templates
- Working with advanced layout and plotting tools

Content:

1. Creating a Simple Drawing
 - Getting Started with AutoCAD
 - Basic Drawing and Editing Commands
2. Making Your Drawings More Precise
 - Drawing Precision in AutoCAD
 - Making Changes in Your Drawing
3. Drawing Organization and Information
 - Organizing Your Drawing with Layers
 - Advanced Object Types
 - Getting Information From Your Drawing
4. Creating More Complex Objects
 - Advanced Editing Commands
 - Inserting Blocks



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5. Preparing to Print
 - Setting Up a Layout
 - Printing Your Drawing

6. Annotating Your Drawing
 - Text
 - Hatching
 - Adding Dimensions

7. Beyond the Basics
 - Working Effectively with AutoCAD
 - Accurate Positioning

8. Creating and Organizing Blocks
 - Creating Blocks
 - Blocks in Tool Palettes

9. Drawing Setup
 - Creating Templates
 - Annotation Styles

10. Advanced Layouts and Printing
 - Advanced Layouts
 - DWF Printing and Publishing
 - Drawing Projects

Prerequisites:

- Knowledge of AutoCAD or equivalent experience.

Method of Instruction:

- Lecture, demonstration and hands-on use.

Evaluation:

- Exam: No
- Class participation: Yes
- Demonstration of skills: Yes