

AutoCAD Intermediate

Course Description

This course is designed for the experienced AutoCAD® user who requires additional training. It incorporates the features, commands, and techniques for becoming more productive when creating, annotating, and printing drawings with AutoCAD.

This intermediate-level course continues to build on the basic concepts of the AutoCAD Essentials course.

Hands-on exercises throughout the course explore how to create 2D production drawings. The exercises are provided in both a printed format as well as an onscreen format that can be viewed next to AutoCAD.

Suggested Course Duration: 3 days
Onscreen Exercises Included? Yes

Objectives

The primary objectives of this course are:

- To teach students powerful tools and techniques for drawing, dimensioning, and printing 2D drawings.
- To enable students to reuse content that has been previously created, and extract information from their drawings.
- To teach students to grasp the high-level concepts of designing in 3D.

With an understanding of these tools, students can begin to streamline the design process and become more productive with AutoCAD.

Who Should Attend

This course is designed for the experienced AutoCAD user who wants to learn more about AutoCAD.

Prerequisites

It is recommended that students have a working knowledge of:

- The current or a previous release of AutoCAD.
- Creating and editing basic AutoCAD objects.
- Microsoft® Windows

<http://www.amsystems.com/training/>

Course Outline

Layer Management

- Advanced Layer Control
- Layer Filters
- Layer States
- Layer States Manager
- Layer Isolate
- Layer Walk
- Layer Transparency

Working with Layouts

- New Layout
- From Template
- Working with Multiple Viewports
- Creating Layouts
- Modifying Layouts and Using Page Setups
- Creating Layout Viewports
- Working with Layout Viewports
- Controlling Object Visibility in Layout Viewports
- Setting the scale of Viewports

Plotting and Publishing

- Creating a Page Setup
- Plotting to a file
- PDF, DWF
- Publishing multiple DWG files

Annotation Scale

- Introduction to Annotation Scaling
- Controlling Annotation Scale
- Working with Multileader Styles
- Working with Dimension Styles
- Controlling Text Styles
- Revision Clouds
- Controlling Annotation Scale in Viewports

Advanced Drawing Tools

- From
- Otracking
- Extension

Creating a DWG Template

Manipulating Objects and Data

- Quick Select
- Purge objects in DWG file.

Reusable Content

- Using DesignCenter
- Creating Custom Tool Palettes
- Managing and Sharing Tool Palettes

External References

- Working with External References
- Etransmit

Blocks and Attributes

- Creating Dynamic Blocks
- Adding Attributes to Blocks
- Edit and Extract Attributes from Blocks

Creating Tables

- Create Table from scratch
- Adding formulas to tables
- Inserting blocks into a table
- Create table from Excel spreadsheet
- Create table from Block information

Note: The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

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