

AutoCAD Advanced

Courseware Description

This courseware 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 courseware 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
Pages:	Vol. 1 - 372; Vol. 2 - 446
Trial CD:	No
Onscreen Exercises Included?	Yes

Objectives

The primary objectives of this courseware 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.

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

Who Should Attend

This courseware 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® 2000, Microsoft® Windows® XP, or Microsoft® Windows® Vista



Course Outline

Day 1

Drawing Objects

- Creating and Editing Multilines
- Creating Revision Clouds
- Wipeout Objects
- Boundaries
- Regions

Manipulating Objects and Data

- Selecting Objects with Quick Select
- Purging Objects
- Working with Point Objects
- Dividing and Measuring Objects
- Using QuickCalc for Performing Calculations

Template Drawing Creation

- Creating Drawing Templates

Dimensioning and Annotation

- Introduction to Annotation Scaling
- Controlling Annotation Scale
- Working with Text
- Using Multileaders
- Dimensioning
- Creating Center Marks
- Creating Ordinate Dimensions
- Creating Geometric Dimensions and Tolerances
- Working with Dimension Substyles and Overrides

Day 2

Reusable Content

- Using DesignCenter™
- Creating Custom Tool Palettes
- Organizing Tool Palettes
- Sharing Tool Palettes
- Using External References
- Managing External References
- Referencing Non-Native File Types

Blocks and Attributes

- Working with Blocks
- Creating Attributes
- Editing Attributes

Dynamic Blocks

- Using Dynamic Blocks
- Adding Parameters to Dynamic Blocks
- Adding Actions to Dynamic Blocks
- Using Parameter Sets
- Creating Dynamic Blocks

Layer Management and Best Practices

- Working with Layer Filters
- Using the Layer States Manager
- Using Layer Standards

Layouts and Views

- Creating Layouts
- Modifying Layouts and Using Page Setups
- Creating Layout Viewports
- Working with Layout Viewports
- Controlling Object Visibility in Layout Viewports

Day 3

Plotting

- Working with Plotter Configuration Files
- Creating and Applying Plot Style Tables
- Publishing Drawings

Introduction to Sheet Sets

- Creating Sheet Sets
- Working with Sheet Sets
- Setting Sheet Set Properties
- Using Fields in Sheet Sets
- Using Attributes in Sheet Sets
- Publishing, Transmitting, and Archiving Sheet Sets

Working with Tables

- Working with Table Styles
- Creating and Editing Tables
- Creating Advanced Tables
- Extracting Attributes to Tables
- Exporting and Importing Tables
- Creating Tables Linked to External Data

