



AutoCAD 2009 Master Class

Description

This AutoCAD training course combines Essentials and Advanced training for an in-depth Master Class in AutoCAD 2009.

Students learn the features, commands, and techniques for creating, editing, and printing drawings with AutoCAD® 2009 and AutoCAD LT® 2009. Using hands-on exercises, students explore how to create 2D production drawings.

This AutoCAD training course is designed for those who are new or occasional users. It incorporates the features, commands, and techniques for becoming more productive when creating, annotating, and printing drawings with AutoCAD 2009.

Hands-on exercises throughout the AutoCAD training 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.

Prerequisites

Before using this guide, users should have a working knowledge of the following:

- Drafting, design, or engineering principles.
- Microsoft Windows Vista or Microsoft Windows XP.

Class Information

Duration

5 days

Objective

To teach users the basic commands necessary for professional 2D drawing, design, and drafting using AutoCAD and AutoCAD LT.

After completing this class, users will be able to:

- Navigate the AutoCAD and AutoCAD LT user interfaces.
- Use the fundamental features of AutoCAD and AutoCAD LT.

- Use the precision drafting tool in AutoCAD and AutoCAD LT to develop accurate technical drawings.
- Present drawings in a detailed and visually impressive way.
- 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 2009.

Who Should Attend

New users of AutoCAD or AutoCAD LT.

Course Outline

Day 1

Taking the AutoCAD Tour

- Navigating the Working Environment
- Working with Files
- Displaying Objects

Creating Basic Drawings

- Inputting Data
- Creating Basic Objects
- Using Object Snaps
- Using Polar Tracking and PolarSnap™
- Using Object Snap Tracking
- Working with Units

Manipulating Objects

- Selecting Objects in the Drawing
- Changing an Object's Position
- Creating New Objects from Existing Objects
- Changing the Angle of an Object's Position
- Creating a Mirror Image of Existing Objects
- Creating Object Patterns
- Changing an Object's Size

Day 2

Drawing Organization and Inquiry Commands

- Using Layers
- Changing Object Properties
- Matching Object Properties
- Using the Properties Palette

- Using Linetypes
- Using Inquiry Commands

Altering Objects

- Trimming and Extending Objects to Defined Boundaries
- Creating Parallel and Offset Geometry
- Joining Objects
- Breaking an Object into Two Objects
- Applying a Radius Corner to Two Objects
- Creating an Angled Corner Between Two Objects
- Changing Part of an Object's Shape

Working with Layouts

- Using Layouts
- Using Viewports

Annotating the Drawing

- Creating Multiline Text
- Creating Single Line Text
- Using Text Styles
- Editing Text

Day 3

Dimensioning

- Creating Dimensions
- Using Dimension Styles
- Editing Dimensions
- Using Multi-leaders



AutoCAD

Hatching Objects

- Hatching Objects
- Editing Hatch Objects

Working with Reusable Content

- Using Blocks
- Working with DesignCenter™
- Using Tool Palettes

Creating Additional Drawing Objects

- Working with Polylines
- Creating Splines
- Creating Ellipses
- Using Tables

Plotting Your Drawings

- Using Page Setups
- Plotting Drawings

Creating Drawing Templates

- Using Drawing Templates

Day 4

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 5

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

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

Frequently Asked Questions:

Post-AutoCAD Training support

All delegates are eligible to email support for up to 30 days from Sprunt Media.

How much does the AutoCAD 2009 training course cost?

Our standard pricing for our training is £350.00 per delegate per day.

Reduced online booking cost are as follows-

1 delegate: £250 per delegate per day

Further discounts are available for group bookings.

Please call for more information on group prices. **0207 478 1000**

Please see Training calendar for scheduled dates for this course.

If the scheduled dates are not suitable or for further information, please contact 020 7478 1000 or e-mail info@sprunt-media.net