

AutoCAD LT 2006 Essentials

Course Description

This course is designed for the new AutoCAD® LT user who requires comprehensive training in AutoCAD LT. It incorporates the features, commands, and techniques for creating, editing, and printing drawings with AutoCAD LT 2006.

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

Course Duration: 3 days

Objectives

The primary objective of this courseware is to teach the student the basic commands necessary for professional 2D drawing, design, and drafting using AutoCAD LT 2006.

Upon completion of the course, the student will:

- Become familiar with the AutoCAD LT 2006 user interface.
- Understand the fundamental concepts and features of AutoCAD LT 2006.
- Use the precision drafting tools in AutoCAD LT to develop accurate technical drawings.
- Present drawings in a detailed and visually impressive manner.
- Develop a level of comfort and confidence with AutoCAD LT 2006 through hands-on experience.

Who Should Attend

This course is designed for the new user of AutoCAD LT 2006.

Prerequisites

No previous CAD experience is necessary.



Course Outline

Day 1

Taking the AutoCAD LT Tour

- Navigating the Working Environment
- Working with Files
- Displaying Objects
- Hands-On Tour

Creating Basic Drawings

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

Making Change to 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
- Trimming and Extending Objects to Defined Boundaries
- Creating Parallel and Offset Geometry
- Joining Objects
- Changing the Length of Objects
- Breaking an Object into Two Objects
- Changing Part of an Object's Shape
- Creating a Mirror Image of Existing Objects
- Creating Object Patterns
- Applying a Radius Corner to Two Objects
- Creating an Angled Corner Between Two Objects
- Undoing and Redoing Steps in the Drawing
- Changing an Object's Size
- Matching Object Properties
- Using the Properties Palette
- Using Grips

* 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.

Day 2

Using Layers, Linetypes, and Inquiry Commands

- Using Layers
- Using Linetypes
- Using Inquiry Commands

Annotating Drawings

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

Hatching Objects

- Hatching Objects
- Editing Hatch Objects

Dimensioning

- Creating Dimensions
- Using Dimension Styles
- Editing Dimensions

Day 3

Working with Reusable Content

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

Creating Additional Drawing Objects

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

Plotting

- Using Layouts
- Using Viewports
- Using Page Setups
- Plotting Drawings