

AutoCAD and AutoCAD LT Essentials

Courseware Description

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.

Suggested Course Duration:	3 days
Pages:	Volume 1 ~340; Volume 2 ~ 250
Trial CD:	Yes
Onscreen Exercises Included?	Yes

Objectives

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

After completing this course, students 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 tools in AutoCAD and AutoCAD LT to develop accurate technical drawings.
- Present drawings in a detailed and visually impressive way.

Who Should Attend

This courseware is designed for new users of AutoCAD or AutoCAD LT

Prerequisites

Before using this courseware, students should have a working knowledge of the following:

- Drafting, design, or engineering principles.

Microsoft® Windows® Vista, Microsoft® Windows® XP, or Microsoft® Windows® 2000.



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
- Changing the Angle of an Object's Position
- Creating a Mirror Image of Existing Objects
- Creating Object Patterns

Day 3

Dimensioning

- Creating Dimensions
- Using Dimension Styles
- Using Multileaders

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 Ellipses
- Using Tables

Plotting Your Drawings

- Using Page Setups
- Plotting Drawings

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