



AutoCAD Course Content

SESSION I:

Introduction

1. Getting Started with AutoCAD

- ✓ Starting the Software
- ✓ User Interface
- ✓ Working with Commands
- ✓ Cartesian Workspace
- ✓ Opening an Existing Drawing File
- ✓ Viewing Your Drawing
- ✓ Saving Your Work

2. Basic Drawing & Editing Commands

- ✓ Drawing Lines
- ✓ Erasing Objects
- ✓ Drawing Lines with Polar Tracking
- ✓ Drawing Rectangles
- ✓ Drawing Circles
- ✓ Undo and Redo Actions

3. Projects- Creating a Simple Drawing

- ✓ Create a Simple Drawing
- ✓ Create Simple Shapes

4. Drawing Precision in AutoCAD

- ✓ Using Running Object Snaps
- ✓ Using Object Snap Overrides
- ✓ Polar Tracking at Angles
- ✓ Object Snap Tracking
- ✓ Drawing with Snap and Grid (Optional)

5. Making Changes in Your Drawing

- ✓ Selecting Objects for Editing
- ✓ Moving Objects
- ✓ Copying Objects
- ✓ Rotating Objects
- ✓ Scaling Objects
- ✓ Mirroring Objects
- ✓ Editing with Grips

SESSION II:

6. Projects- Making Your Drawings More Precise

- ✓ Schematic Project: Electronics Diagram
- ✓ Architectural Project: Landscape



- ✓ Mechanical Project (with Polar & Tracking)
- ✓ Mechanical Project: Surge Protector
- ✓ Mechanical Project: Satellite

7. Organizing your Drawing with Layers

- ✓ Creating New Drawings with Templates
- ✓ What are Layers?
- ✓ Layer States
- ✓ Changing an Object's Layer

8. Advanced Object Type

- ✓ Drawing Arcs
- ✓ Drawing Polylines
- ✓ Editing Polylines
- ✓ Drawing Polygons
- ✓ Drawing Ellipses

9. Getting Information from Your Drawing

- ✓ Working with object Properties
- ✓ Measuring Objects

10. Projects - Drawing Organization & Information

- ✓ Architectural Project
- ✓ Mechanical Project
- ✓ Civil Project

SESSION III:

11. Advanced Editing Commands

- ✓ Trimming and Extending Objects
- ✓ Sketching Objects
- ✓ Creating Fillets and Chamfers
- ✓ Offsetting Objects
- ✓ Creating Arrays of Objects

12. Inserting Blocks

- ✓ What are Blocks?
- ✓ Inserting Blocks
- ✓ Working with Dynamic Blocks
- ✓ Inserting Blocks with DesignCenter
- ✓ Inserting Blocks with Content Explorer

13. Projects- Creating More Complex Objects

- ✓ Mechanical Project 1- Plate
- ✓ Mechanical Project 2- Gasket
- ✓ Mechanical Project 3- Plate
- ✓ Mechanical Project 4- Rocker Arm
- ✓ Architectural Project 1- Floor Plan
- ✓ Architectural Project 2- Floor Plan
- ✓ Civil Project- Parking Lot



14. Setting Up a Layout

- ✓ Printing Concepts
- ✓ Working in Layouts
- ✓ Copying Layouts
- ✓ Creating Viewports
- ✓ Guidelines for Layouts

15. Printing Your Drawing

- ✓ Printing Layouts
- ✓ Printing from the Model Tab

SESSION IV:

16. Projects- Preparing to Print

- ✓ Mechanical Project
- ✓ Architectural Project

17. Text

- ✓ Working with Annotations
- ✓ Adding Text in a Drawing
- ✓ Modifying Multiline Text
- ✓ Formatting Multiline Text
- ✓ Adding Notes with Leaders to Your Drawing
- ✓ Creating Tables
- ✓ Modifying Tables

18. Hatching

- ✓ Hatching
- ✓ Editing Hatches

19. Adding Dimensions

- ✓ Dimensioning Concepts
- ✓ Adding Linear Dimensions
- ✓ Adding Radial & Angular Dimensions
- ✓ Editing Dimensions