



2D Drawing Using Autodesk AutoCAD 2014 Course Overview

2D Drawing Using Autodesk AutoCAD 2014

Course Duration:

21 Hours / 3 Days

1 Getting Started

- Startup & AutoCAD Today
- AutoCAD Interface Overview
- Communicating with AutoCAD
- Getting out of Trouble
- Managing Your Drawing Files

2 Display Commands

- Drawing Scale & View Magnification
- Zoom Window
- Zoom Previous
- Zoom Extents
- Zoom Scale
- Zoom & Pan In Real Time
- More Practice

3 Coordinates & Basic Drafting Tools

- Absolute Coordinates
- Relative Cartesian Coordinates
- Relative Polar Coordinates
- Object Snap Overrides
- Running Object Snaps
- Polar & Direct Distance Entry
- SNAP & GRID
- Intro to OTRACK

4 Creating 2D Geometry

- Creating LINE Objects
- Creating CIRCLES & ARCS
- Introduction to LWPOLYINES
- Creating & Using POINTS
- Introduction to ELLIPSES

5 Editing 2D Geometry

- Using Erase to Delete Objects
- Basic Selection Tools
- MOVE & COPY
- SCALE
- ROTATE

6 Managing Object Properties

- Introduction to Layers
- Managing Properties BYLAYER
- Linetypes & Drawing Scale
- Introduction to Lineweights
- Object Properties
- Overriding BYLAYER Properties

7 CAD Construction Techniques

- OFFSET
- TRIM
- EXTEND
- FILLET
- CHAMFER
- MIRROR
- STRETCH
- ARRAY

8 Creating Text & Defining Styles

- Single Line TEXT Objects
- Creating & Modifying Text Styles
- Introduction to MTEXT objects
- Editing Existing Text

9 Introduction to Blocks

- Making Block Definitions
- Inserting Blocks & Drawing Files
- Introduction to DesignCenter
- Introduction to Attributes

10 Dimensions & Crosshatching

- Dimensions for Distance
- Angular Dimensions
- Radial & Diameter Dimensions
- Introduction to Dimension Styles

- Using Styles in other drawings
- Editing Dimensions
- Associative Dimensions
- Creating New HATCH objects
- Editing Existing HATCH Objects

11 Page Setup & Plotting

- Creating Layouts from Scratch
- Creating Rectangular Viewports
- Setting & Locking Viewport Scale
- Managing Layout Tabs
- Freezing Layers in Viewports
- Trans-Spatial Dimensions

12 Introduction to drawing setup

- Drawing Setup Overview
- Making & Using Templates
- Understanding Units in AutoCAD