Course Outline | AutoCAD 2D Introduction - Intermediate

2 day(s)

Overview

AutoCAD 2D Introduction/Intermediate training course is the perfect introduction to the world's leading CAD software.

It provides concise explanations and practical hands on exercises that clearly show you how to plan and develop a customised AutoCAD project.

During this course you will master AutoCAD features, get a thorough grounding in the essentials, and see quick results.

Starting with your very first line, you will create and edit a full 2D drawing using many of the 2D drawing commands of AutoCAD. You will create and use blocks, layers and AutoCAD libraries. Finally you will create plot layouts of your finished drawing.

Prerequisites

No previous experience of AutoCAD is required for this course. Some technical drawing experience would be helpful but is not essential.

Course Outline

Getting to Know AutoCAD

- Exploring the AutoCAD User Interface
- Introducing the AutoCAD Graphics Window
- Working in the Command Window
- Using the Ribbon
- Using the Menu Browser
- Workspaces

Learning Basic Commands to Get Started

- Using the Line Command
- Using Coordinates
- Using the Direct Distance Method
- Erasing Lines
- Using Direct Input
- Using the Offset Command
- Using the Fillet Command
- Extending Lines
- Trimming Lines

Setting Up a Drawing

- Setting Up the Drawing Units
- Setting Up the Drawing Size
- The Grid
- Setting Up Drawing Limits
- Drawing with Grid and Snap
- Saving Your Work
- A Summary of AutoCAD's Units

More 2D Drawing and editing Commands

- Drawing Rectangles
- Drawing Arcs
- Drawing Circles
- Create a Polyline

- Edit a Polyline
- Copying Objects
- Mirroring Objects

Using Layers to Organize Your Drawing

- Setting Up Layers
- Assigning Linetypes to Layers
- Assigning Objects to Layers
- Turning Off and Freezing Layers
- Setting a Linetype Scale Factor
- Setting Properties of Layers and Objects
- Selecting Colours for Layers and Objects
- Using the Action Recorder
- Creating Layer States

Combining Objects into Blocks

- Making a Block
- Inserting the Block
- Finding Blocks in a Drawing
- Detecting a Block
- Using the Properties Palette to Examine a Block
- Revising a Block
- Sharing Information Between Drawings

Controlling Text in a Drawing

- Determining Text and Drawing Scale
- Defining a Text Style
- Using Single-Line Text
- Using Multiline Text
- Using the Spell Check Feature

Using Layouts to Set Up a Print

- Setting Up Layouts
- Setting the Layout Parameters
- Creating a Paper Space Viewport
- Setting the Viewport Scale
- Adjusting a Viewport's Contents
- Setting the Linetype Scale
- Locking and Turning Viewports Off

Printing an AutoCAD Drawing

- Using the Plot Dialog Box
- Printing a Drawing
- Determining Lineweights for a Drawing
- Previewing a Print
- Printing a Drawing
- Publishing Multiple Layouts
- Plot Styles