AutoCAD Mechanical Fundamentals Course Outline

Duration: 1½ months

Overview

CAD Course in Mechanical is a 1½ Months short term certificate program. Individuals will learn advanced concepts of AutoCAD and overview of how to bring electrical design productivity to new levels as compared to using traditional 2D drafting techniques.

AutoCAD Mechanical fundamentals course will enable engineers to take maximum advantage of the Autodesk AutoCAD 2D and 3D features along with overview of Autodesk AutoCAD Mechanical that basically improve the overall electrical CAD drafting productivity.

Prerequisites

A working knowledge of basic design or drafting procedures and terminology. A working knowledge of your operating system.

Course Contents

Chapter 1: Getting Started with AutoCAD

1.1 Starting the Software
1.2 User Interface
1.3 Working with Commands
1.4 Cartesian Workspace
1.5 Opening an Existing Drawing File
1.6 Viewing Your Drawing
1.7 Saving Your Work

Chapter 2: Basic Drawing and Editing Commands

2.1 Drawing Lines
2.2 Erasing Objects
2.3 Drawing Vertical and Horizontal Lines
2.4 Drawing Rectangles
2.5 Drawing Circles
2.6 Undo and Redo Actions

Chapter 3: Projects: Creating a Simple Drawing

3.1 Create a Simple Drawing
3.2 Create Simple Shapes

Chapter 4: Drawing Precision in AutoCAD

4.1 Using Running Object Snaps
4.2 Using Object Snap Overrides

12.2 Mechanical Project 2: Gasket
12.3 Mechanical Project 3: Plate
12.4 Mechanical Project 4: Rocker Arm

Chapter 13: Setting Up a Layout
13.1 Working in Layouts
13.2 Creating Layouts
13.3 Creating Layout Viewports
13.4 Guidelines for Layouts

Chapter 14: Printing Your Drawing
14.1 Printing Concepts
14.2 Printing Layouts
14.3 Print and Plot Settings

Chapter 15: Projects: Preparing to Print
15.1 Mechanical Project

Chapter 16:
16.1 Working with Annotations
16.2 Adding Text in a Drawing
16.3 Modifying Multiline Text
16.4 Formatting Multiline Text
16.5 Adding Notes with Leaders to Your Drawing
16.6 Creating Tables
16.7 Modifying Tables

Chapter 17: Hatching
17.1 Hatching
17.2 Editing Hatches

Chapter 18: Adding Dimensions
18.1 Dimensioning Concepts
18.2 Adding Linear Dimensions
18.3 Adding Radial and Angular Dimensions
18.4 Editing Dimensions

Chapter 19: Projects: Annotating Your Drawing
19.1 Final Mechanical Project

For any inquiry, please contact the Customer Service at +256705233210/+256773634051 or Email: zadecadtraining@gmail.com