

AutoCAD

Course Description

AutoCAD 2D Drafting and Annotation The Complete Guide is designed to give you a solid understanding of AutoCAD features and capabilities. This course covers Starting with Sketching, Layers, Dimension Styles, Dynamic Blocks and A360. Autodesk AutoCAD is a powerful CAD software helping professionals create 2D drawings faster and with more precision. Its simplified 2D drafting allows teams to work more efficiently by sharing drawings across connected desktop, cloud, and mobile solutions.

Instructional Methodology

This course is a self-guided offline course. Students have 30 days to complete the curriculum but may work at their own pace throughout the course. Lessons are presented in written format, video format and have a hands-on assignment at the end of each learning module.

Course Content

1. New for AutoCAD
 - a. General Updates
 - b. Drawing Compare
 - c. Document Improvements
 - d. Layer Enhancements
2. Introduction to AutoCAD
 - a. Introduction to AutoCAD
 - b. Getting Started with AutoCAD
3. Starting with Sketching
 - a. Drawing Lines
 - b. Creating Other 2D Objects
 - c. AutoCAD Polylines
 - d. Adding Points

Course Content, cont.

4. Working with Drawing Aids
 - a. Drawing Aids
 - b. More Drawing Aids
5. Editing Sketched Objects
 - a. Editing Sketched Objects
 - b. Duplicating Objects
 - c. Separating and Joining Sketched Objects
 - d. More Editing Tools
6. Layers
 - a. Working with Layers
 - b. Layer Tools
7. Editing Sketched Objects II
 - a. Object Properties
 - b. Utilizing Grips
8. Creating Text and Tables
 - a. Annotative Objects
 - b. Creating Text
 - c. Using Tables
 - d. More Text Tools
9. Dimensioning and Detailing Your Drawings
 - a. Dimensioning
 - b. More Dimensioning
 - c. Working with True Associative Dimensions
 - d. Adding Leaders
10. Editing Dimensions
 - a. Editing Dimensions Using Editing Tools
 - b. Editing Dimensions Part 2
11. Dimension Styles
 - a. Dimension Styles
 - b. Using Dimension Styles
12. Adding Constraints to Sketches
 - a. Constraints in a Sketch
 - b. Dimensions, Parameters, and Equations
13. Hatching Drawings
 - a. Hatching Basics
 - b. Modifying Hatch Properties
14. Paper Space
 - a. Paper Space Layouts
 - b. Adding Viewports
 - c. Working with Viewports
 - d. Layout ToolsPlotting Drawings

Course Content, cont.

15. Plotting Drawings In AutoCAD
 - a. Plot Styles and Page Setups
 - b. Publishing to other File Types
16. Template Drawings
 - a. Templates
 - b. Customizing Templates
17. Working with Blocks
 - a. Working with Blocks
 - b. Inserting Blocks
 - c. Changing Blocks
18. Dynamic Blocks
 - a. Building Dynamic Blocks
19. AutoCAD Sheet Sets
 - a. An Introduction to Sheet Sets
 - b. Build a Sheet Set
 - c. Sheet Set Views
20. AutoCAD and A360
 - a. AutoCAD in the Cloud