

AutoCAD 2D Essentials Course

Course Details

Duration: 3 days
Award: Autodesk Official Certificate in AutoCAD 2D Essentials

Course Description:

The primary objective of the course is to teach you the basic commands necessary for professional 2D drawing, design and drafting using AutoCAD.

Objectives:

- Become familiar with AutoCAD user interface.
- Understand the fundamentals concepts and features of AutoCAD
- Use the precision drafting tools in AutoCAD to develop accurate technical drawings
- Present drawings in a detailed and visually impressive manner
- Develop a level of confidence using AutoCAD through hands-on experience.

Pre-requisite:

No previous CAD experience is necessary. General knowledge of design and drafting concepts is a plus a working knowledge of Windows based operating systems is essential.

Course Content:

- Start AutoCAD, navigate the user interface, access menus, dialog boxes, toolbars / tool palettes/ribbons and on-line help, set parameters for a drawing session
- Create drawings files, open existing drawings, save changes to existing drawings and exit AutoCAD.
- Use templates to create new drawings files that contain standard settings, customize AutoCAD drawing settings, calculate size of drawings area and use drawing aids.
- Use layer to control the colour, line type and visibility of objects in drawings.
- Use display commands and control the view of objects displayed in the drawing window.
- Use AutoCAD draw commands to create objects that can be edited or modified.
- Use object snaps to reference specific locations on selected objects and ensure quality and accuracy in the drawing process.
- Use AutoCAD modify commands to simplify the drawing process, increase drawing productivity and logically structure and avoid repetitive drawing
- Use inquiry commands to provide database information for selected objects, display the status of the drawing and document the time that is spent working on the drawing.
- Use a number of annotation techniques to present text, dimensions, notes and titles to drawings.
- Place dimensions in drawings that conform to local and national standards.
- Use blocks to combine organize and manipulate several objects as a single object and use them to reduce drawing file size.
- Plot drawings onto paper at different scales and use layouts to prepare drawing sheets with scaled viewports to enhance the plotting process.



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