



AutoCAD for Woodworking: AutoCAD Fundamentals

General Description:

This is an entry to intermediate level AutoCAD course designed specific to the woodworking and architectural millwork industry. This course is intended for individuals that are new to AutoCAD or have had limited experience with AutoCAD. It may also be very helpful for more experienced users who would like to improve their skills and proficiency with this powerful software.

Topics covered:

- Getting Started
 - The User Interface (menu, ribbon, toolbars)
 - Workspaces
 - AutoCAD Options
 - Drafting Settings
 - Introduction to Model space & Paper space
 - The command line (F2)
- Basic drawing...with precision
 - Drawing Lines, Rectangles, Circles
 - Zoom and Pan
 - Cartesian and polar coordinates
 - Ortho (F8), Polar tracking, Coordinate entry.
 - Erasing
 - Undo/redo
 - Osnap, Otrack (F3)
 - Getting info: Distance, List
- Editing and modifying objects – Part 1
 - Selecting objects (window & crossing)
 - The shift key
 - Move, copy, rotate
 - Scale, mirror
 - Using grips
- Advanced Objects & Editing
 - Arcs, Polylines, Ellipse, Spline, Polygon,
 - Rev cloud, wipeout
 - Offset
 - Trim, Extend
 - Fillet, Chamfer
 - Stretch
 - Explode, Join
 - Array
- 4 Introduction to Layers
 - Object properties
 - Layer states (Freeze, thaw, etc.)
 - Changing colors, linetypes, etc.
 - Match properties
- Blocks
 - What are blocks?
 - Insert blocks
 - Attributes
 - Dynamic blocks
- Using Blocks and other tools
 - Design Center
 - Using Tool Palettes
 - Construction line, Ray
 - Boundary, Region
- Hatching
 - Adding and editing hatches
 - Patterns, scale, rotation
 - Separate hatches
- Text
 - Working with Text styles
 - Adding text
 - Modifying text
- Tables
 - Table styles
- Dimensions
 - Linear
 - Radial, Angular
 - Continued
 - Leader
- Layouts
 - Paper space concepts
 - Viewports
 - Changing Scale
 - Dim styles
 - Editing dimensions
- Printing (plotting)
 - Single page
 - Publishing
- Microvellum
 - Automate the drawing process
 - Things you need to know