



Training Course Outline

Prerequisite: General AutoCAD knowledge. Familiar with Windows 98/NT/2000/XP

Course Fee: \$795

Course Length: 2 days

Register: For upcoming dates and times, please call our training coordinator at 800.247.1927 or view our training calendar at www.thePPIgroup.com/training.html

We have two locations to serve you:

Portland Office:
503.231.1576 | 800.247.1927

Seattle Office:
425.251.9722 | 800.558.5368

AutoCAD® Conceptual Design/3D Modeling

The first day will cover the elements of conceptual design, using core AutoCAD commands to create compelling conceptual designs using simple techniques and commands to quickly mass shapes, use raster images and visualize your designs with materials, visual styles and animated walkthroughs. The second day will cover subjects in 3D modeling such as creating solid primitives, solid or surface models from cross-sectional geometry, completing solid model design, converting 2D objects to 3D objects and documenting a 3D design.

Integrating Raster Images:

- Describe Applications and Processes

Massing Shapes with 3D Solids

- Concept of massing shapes
- Creating 3D solids
- Guidelines for massing shapes
- Creating a massing model using shapes

Using the Sun

- Using light control panel
- Specify the north direction and geographic location for a scene
- Using Sun Properties

Using Visual Styles

- Visual Style Manager
- Visual Style control panel
- Exporting

Using Materials

- Locating predefined business materials
- Creating new materials

Navigating the Model

- Using 3Dwalk and 3Dfly
- Recording your walkthrough
- Using paths to create animated fly-throughs

3D Modeling

- Introduction to 3D
- Creating solid primitives
- Creating models from 2D profiles
- Creating composite solids
- Working in 3D

Editing Models

- Adding Detail

- Converting Objects
- Editing Solid Models
- Extracting Geometry from Solid Models
- Changing the Model Position
- Duplicating the Model
- Getting Information from 3D Objects

Working Drawings and 3D Objects

- Section a Solid Model and Generate 2D Geometry
- Creating Drawings from 3D Models

Training with PPI.

- Gets you productive quicker. Our experienced instructors have, on average, over 12 years experience in the AutoCAD® support industry.
- Gets you access to full size state-of-the-art Autodesk® Authorized Training Centers.
- Gets you free and ample parking at both locations.
- Provides you with qualified PDH (Professional Development Hours) for Engineers & Land Surveyors, as well as AIA CES Learning Units for Architects.

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