

AutoCAD 2007 - Creating 3D models

Course description

This course provides a basic understanding of how to design and modify 3D models with AutoCAD®.

Creating 3D models helps users better visualize and present designs that are created with CAD. This course introduces students to the fundamental concepts and workflows for creating 3D models with AutoCAD. Students explore how to create and modify both solid and surface models. Students also learn how to output 3D models from the CAD system to either paper or a distributable, electronic version. The concepts and practices taught help students take their AutoCAD designs beyond 2D to the next dimension – 3D!

Hands-on exercises throughout the course are used to demonstrate the modeling process through the use of techniques that can be applied to the mainstream drafting industries.

Course duration:	2 days
Courseware provided:	266 pages
Trial CD:	No

Objectives

The primary objective of this courseware is to teach the student powerful tools and techniques for creating and editing 3D models with AutoCAD.

Who should attend?

The student should be proficient working with 2D objects in AutoCAD and have a need to create 3D models of their designs.

Pre-requisites

Students should have a good knowledge of AutoCAD used in a 2D environment. It is also recommended that students have a working knowledge of Microsoft® Windows®.



Course Outline

Getting Started in 3D

- Introduction to 3D
- Working in 3D

3D Modeling

- Creating Solid Primitives
- Creating Composite Solids
- Creating Models from Cross Sections

Editing Models

- Adding Detail to Your Solid Models
- 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
- Working with Layouts
- Creating Drawings from 3D Models

Note: The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

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