

# **AutoCAD 2007 - Creating 3D Models**

## **Training Course Description**

Creating 3D models helps users better visualise and present designs that are created with CAD. This courseware 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 as well as how to output 3D models from the CAD system to either paper or a distributable, electronic version.

## **Training Course Prerequisites**

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

## **Training Course Objectives**

The primary objective of this courseware is to teach the student powerful tools and techniques for creating and editing 3D models with AutoCAD. The following key topic areas will be covered:

- Getting Started in 3D
  - Introduction to 3D
  - Working in 3D
- 3D Modelling
  - Creating Solid Primitives
  - Creating Composite Solids
  - Creating Models from Cross Sections
- Editing Models
  - Adding Detail to Your Solid Models
  - Converting Objects
- Editing Models cont.
  - 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