



**AutoCAD
3D Drawing & Modeling
CERTIFIED TRAINING**

AutoCAD 3D Drawing and Modeling Certified Training

Courseware Description

This course guide participants to explore the fundamental concepts and workflows for creating 3D models using AutoCAD. Participants learn about 3D conceptualization using solid, surface, and mesh models, and the recommended practices for evolving those into composite models. The tools and concepts of free-form organic modeling are covered.

Courseware Objectives

The main objective of this course is to teach participants the fundamentals of 3D and explores the main features of the advanced 3D Modelling workspace in the AutoCAD.

The major topics covered in the training are:

- 3D viewing techniques
- Working with simple and composite solids
- Creating complex solids and surfaces
- Modifying objects in 3D space
- Editing solids
- Creating sections, camera perspectives, and animations
- Converting 3D objects
- Setting up a rendering with materials and lights
- Creating 2D drawings from 3D models
- Working with the User Coordinate System

Duration

3 Days

Who Should Attend

This course is catered for designer who are familiar with AutoCAD, proficient in working with 2D objects, and who want to create 3D model of their designs.

Pre-Requisites

- Knowledge of AutoCAD basics as taught in AutoCAD Essentials or equivalent.
- A minimum of 80 hours of working experience with the AutoCAD software is recommended.
- A working knowledge of your operation system.

Course Achievement

Autodesk ATC Certification of Completion shall be issued to participants with full attendance record upon training completion.

Course Content

Chapter 1 3D Foundations

Chapter 2 Simple Solids

Chapter 3 Working with the User Coordinate System

Chapter 4 Creating Solids & Surfaces from 2D Objects

Chapter 5 Modifying in 3D Space

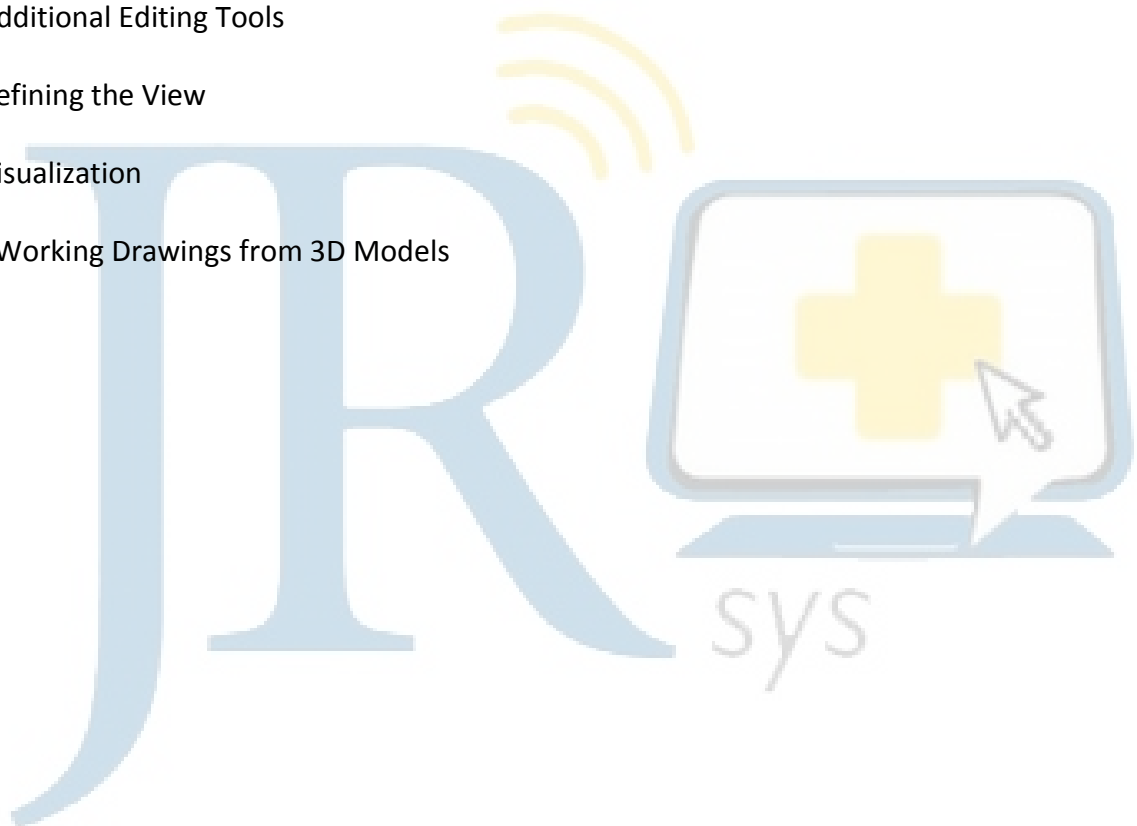
Chapter 6 Advanced Solid Editing

Chapter 7 Additional Editing Tools

Chapter 8 Refining the View

Chapter 9 Visualization

Chapter 10 Working Drawings from 3D Models



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