

AutoCAD 2000i COURSE STRUCTURE

June to Dec. 01

Level 1 AutoCAD 2000i (Introduction)

2 Days Total 12hrs.

Level 1 training is aimed at trainees who have no knowledge of AutoCAD and wish to enter the 2D design world. This course will introduce them to AutoCAD 2000i, pull down menus and prepare them for basic 2D operations.

Prerequisite:

Basic knowledge of Windows NT or 95/98/ME operating system(s) and file management.

Course Objective:

Student to create a simple drawing using the correct CAD techniques.

- **Standard AutoCAD Window (GUI).**
- **Introduction to Cartesian and Polar coordinate system**
- **Drawing & Modifying.**
 - **Lines**
 - Segmented / Continuous (polylines), circles, arcs, ellipses, polygons.
 - **Editing / Modifying**
 - Erase, Move, Trim, Extend, Stretch, break, Rotate, Scale, Offset, Copy, Mirror, Array, Chamfer, Fillet, Text, line types, AutoCAD Colour schemes.
 - **Dimensioning**
 - QDIM, angles, radius, linear, setting styles,
 - **Text commands**
 - Mtext, Dtext, Style
- **Layers / Line types.**
 - Understanding the concept of Layers.
 - Creating, assigning line types, colours, lineweights
- **Blocks.**
 - Understanding the purpose and application of Blocks
 - Introduction to creating blocks and inserting blocks.
- **Plotting (printing)**
 - Creating plots for producing hard copy drawings, for viewing through the World Wide Web, Presentation plots.
- **Paper space / Model space & Xrefs.**
 - Introduction to....
 - Understanding MS / PS
 - Understanding Xrefs.
- **Internet Utilities / Commands**
 - Publishing to WWW.
- **Hands on Exercises**
 - In respective discipline (Arch. Mech. Elect. Survey. etc..) for each student.

Level 2 AutoCAD 2000i (Advanced)

2 Days Total 12hrs.

Level 2 training is aimed at trainees with prior knowledge of AutoCAD and will be introduced at improving their drawing techniques, improve productivity as well as organising drawings in a standardised manner, and also introduce them to the new features of AutoCAD 2000i.

Prerequisite:

A working knowledge of AutoCAD or completion of Level 1

Course Objective:

Student to attain more advanced AutoCAD skills at a professional level.

- **AutoCAD Commands.**
 - Command line input, Transparent commands.
- **Paper space / Model space.**
 - Scaling
 - Creating Viewports
- **Xrefs**
 - Attaching, modifying, binding.
- **AutoCAD essential tools**
 - Polar tracking, Object snaps (snap tracking), grids, Snap.
 - AutoCAD Design Center.
 - Properties.
- **Blocks.**
 - Creating and info. extracting.
- **Layer Properties Manager.**
 - Design of logical layers.
- **Using AutoCAD efficiently.**
 - Command Line input.
 - Automating.
- **Plots / Printing.**
 - Producing plots for viewing through World Wide Web, Presentation plots.
- **Organising projects.**
- **Filters.**
- **Customisation.**
 - Creating scripts.
 - Modifying toolbars menus.
- **AutoCAD DesignCenter.**
 - Managing drawings.
 - Extracting components.
 - Blocks.
 - Linetypes.
 - Layers.
 - Hatching.
- **Tips & tricks.**
 - Advanced selections.
- **Essential 2000i features.**
 - Improved commands in AutoCAD 2000i.
 - Internet driven design feature.
 - Publishing drawings to the World Wide Web.
 - Accessing Autodesk PointA.
 - Sharing drawings with colleagues.
- **Hands on Exercises**
 - In respective discipline (Arch.Mech.Elect.Survey.etc..)for each student.

Level 3 3D

3D Studio VIZ- Introduction.
3D Studio VIZ- Advanced.

2 Days Total 12hrs.

Level 3 (3D & Modelling) is aimed at trainees who have a strong knowledge in AutoCAD. Wanting to further increase their knowledge in the design world of 3D.

Prerequisite:

A working knowledge of AutoCAD or completion of Level 1 and 2

Course Objective:

Student to be able to create a 3D model from scratch.

- Wireframe.
- Region modelling.
- Solid modelling.
- Rendering.
- Applying Materials.
- Applying lighting techniques.

AutoCAD Customised Trade Disciplines.

This course is aimed at trainees who require specialised training in their chosen field, by showing them efficient ways of drafting techniques.

Fields covered are;

- Architectural
- Civil
- Electrical
- Interior Design
- Mapping
- Mechanical Services
- Surveying

CAD Overlay

Aimed at trainees who have prior knowledge of AutoCAD or have completed Level 1.

CADWorks Discipline Manager / Time Manager

This is an add-on utility (developed by Startek P/L) that automates, standardises the drawing office.

- Automatic insertion of drawing sheet (title block) with editable attributes.

WHERE WE ARE

