

The logo for AutoCAD, featuring the word "AutoCAD" in a bold, red, sans-serif font.

2012

# AutoCAD for Theatre Syllabus

## ***Basic Level***

### **Part One**

Introduction to AutoCAD and Computer Aided Draughting; The AutoCAD interface; X & Y orientation

Drawing Lines and Circles; Erasing objects; Copy, Mirror and Offset

Using and creating Layers

Adding Single Line text; Using the Distance command

Basic plotting

Customising the Ribbon and the Mouse

### **Part Two**

Drawing Polylines, Rectangles and Arcs; Moving and Rotating objects; Trim and Extend; Creating Blocks

Creating Text Styles; Multiline Text

Using Properties

Layouts; Model and Paper Space; Linetype Scales

Options and Units

## ***Intermediate Level***

### **Part 3**

Drawing Splines and more Arcs; Hatching; Fillet and Chamfer; Blocks – Attributes; Divide and Measure; Points and Point Styles; Alternative entry methods

Annotation Scale; Annotation Text Styles; QDIM

Plot Style Tables; Layer Tools

Further Options

### **Part 4**

Revision Clouds; Ellipses & Ellipse Arcs; Donuts; AutoCAD DesignCenter & Content Explorer; Creating a library; Array; Stretch; Scale; Join

Dimensioning & Dimension Styles

Templates & Titleblocks

Viewports, Isolate Tools

Workspaces

## ***Advanced Level***

### **Part 5**

Using Drawings as Blocks; DXF Files; Explode; Dynamic Blocks; Break; Wipeouts; Polygons; Grips; Constraints

MultiLeaders; Further Dimensioning

Advanced Layers; Matching Properties; Lineweights; Plot to File; Add a Plotter

Customising the User Interface; Customising the Ribbon; Customising the Quick Access Toolbar

### **Part 6**

Multinlines & Multiline Styles; Multiline Editing; Polyline Editing

Tables; Measuring Areas; Attribute Extraction; Further Dimension Styles

External References; OLE; Hyperlinks; Purging drawings; Exporting in different file formats; Using other Autodesk programmes

CAD Standards

Using AutoLisp routines

### **Introduction to 3D**

On completion of Part 6, a short introductory tutorial to working in 3D will be provided. This is free of charge



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