



# AutoCAD for Performance Course

## AutoCAD 2019 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; Units

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, Groups

Creating Blocks, Inserting Blocks

Creating Text Styles; Multiline Text; Editing Text

Using Properties/ Quick Properties. Isolate Tools

Layouts; Model and Paper Space; Linetypes

Options; Status Bar;

Drawing Recovery

## **Intermediate Level**

### **Part Three**

Drawing Splines and more Arcs; Fillet and Chamfer; Attributes; Block Layers; Rectangular Array; Express Tools - Move Copy Rotate; Alternative entry methods

Dimension Styles; Smart Dimensioning; Express Tools; Dtext to MText; Mirrtext

Hatching; DWG Compare;

Plot Style Tables; Not Plotting Layers; Creating PDFs;

Further Options

### **Part Four**

Ellipses; Isometric Drawing; Polygons; Donuts; Polar and Path Array

AutoCAD DesignCenter & Content Palette; Creating a library drawing; Dynamic Blocks

Divide and Measure; Points and Point Styles; Stretch; Scale;

More Dimensioning; Moving the UCS; Revision Clouds; Attribute Extraction; ATTOUR & ATTIN;

Templates & Titleblocks; Gradient Hatching; Transparency

PDF Plotting

Customising the Ribbon; Workspaces

## **Advanced Level**

### **Part Five**

Break; Wipeouts; Grips; Explode; Nested Blocks: Block Edit and Synchronize; Nudge, Join and Blend: OSnaps

Annotative Text; Annotative Text Styles; Multileaders; Multileader Tools; Express Text Tools; Default Scales

Layers in Viewports; Layer Tools; Layer States; Linetype Scaling; Lineweights; Redraw and Regen; Purge

Batch Plotting; PaperSpace Annotation; Exporting drawings as images

Add Ins; Customising the Quick Access Toolbar; Mouse Tools

### **Part Six**

Multilines & Multiline Styles; Multiline Editing; Polyline Editing; Importing DWGs from other programmes; External References; Creating Sections (Cons & Rays)

Tables; Measuring Areas;

CAD Standards; Layer Translator; Rotating Plots;

Exporting in different file formats; Drawing Conversion using DWG TrueView; Autodesk Online

Customising the User Interface; Creating New Buttons; AutoLisp, Sysvar Editor (Express Tools)

Alternatives to AutoCAD – The Clones