



**GEOSPATIAL SURVEY
ASSOCIATION**



**THE SURVEY
SCHOOL**

2 Day AutoCAD for Surveying

This 2-day course, run in association with Technical BIM Studio, is aimed at both new and current AutoCAD users in the geospatial profession.

It ranges from understanding the basic AutoCAD environment to working with client/architectural drawings that may need scaling, grid rotation and fitting etc.

- **AutoCAD Basics**

Understand AutoCAD Environment & how to use the toolbar.

Project set-up and templates

Layer Management, Inserting Drawing, Blocks & Xrefs

Annotation & viewport scale

- **Working with Survey Data**

Understanding UCS and Coordinate system

Control line visibility

Topography digitisation from dxf

Scale & grid rotations

Finding measurements – area and distances

- **Working with backdrops**

Methods for converting paper drawings to AutoCAD.

Importing and working with Raster Images

Turning off the frame, adjusting quality, and controlling transparency

Importing a PDF file

Scaling & Osnaps with PDFs

Controlling a PDF display

Importing a PDF as an AutoCAD drawing

Reconstructing imported SHX fonts

- **Documentation**

Sheet Layout and Title Blocks

Scaling & adding a scale bar.

Exporting and printing – to PDF, plotter etc