



# SOLIDWORKS Drawings

## Overview:

This course teaches you to make drawings of the SOLIDWORKS parts and assemblies. You will also have a look at creating and working with templates.



## Duration:

InClass: 3 Days (Full Time) 8:30am- 4:30pm

Distance Learning: 7 Days (Part Time)



## Pre-requisites:

- Complete / attend Introduction to Technical drawing course or similar experience
- Complete the SOLIDWORKS Essentials
- Computer literacy skills
- Understanding & reading technical drawings

## Review of the Basics

- Drawing system options
- Beginning a new drawing
- View pallet
- Detailing techniques
- Section views
- Detail views
- Moving drawing views
- Moving dimensions
- Centre marks & centre lines
- Assembly drawing reviews
- Adding sheets
- 3 Standard views

## Understanding Drawing Templates

- Structure of a drawing document
- Drawing document
- Drawing sheet
- Sheet format
- Understanding drawing templates
- Drawing template design strategy
- Designing a drawing template

## Customizing the Sheet Format

- Customise the sheet format



**Saving and Testing the Sheet Format File**

- Understanding sheet format properties
- Understanding sheet format behaviour
- Saving sheet format
- Testing sheet format
- Testing sheet format properties

**Creating Additional Sheet Formats and Templates**

- Creating additional sheet formats
- Drawing templates with sheet formats
- Property Tab Builder
- Properties.txt file

**Advanced Options for Drawing Views**

- Advanced drawing views
- Showing hidden edges
- Broken-out section view
- Auxiliary view
- Rotating views
- Crop view
- Understanding view focus
- Advanced view for assemblies
- Selection scope
- Alternate position view
- Using configurations
- Custom view orientations
- New view
- Relative view
- 3D Drawing views

**Understanding Annotation Views**

- Understanding annotation views

**Advanced Detailing Tools**

- Detailing views
- Annotation views vs. model items
- Parametric notes
- Dimension types
- Arranging dimensions
- Location labels

**Using Layers, Styles, and the Design Library**

- Using layers
- Dimensions styles
- Annotations styles
- Annotations in the design library



- Flag note bank

### **Advanced Options for BOM Tables**

- Tables in SOLIDWORKS
- Bill of materials properties
- Displaying the BOM assembly structure
- Modifying a table
- Saving a table template
- Properties in BOM tables
- BOM component options
- Balloon indicator

### **Additional SOLIDWORKS Tables**

- Additional SOLIDWORKS tables
- Inserting a holes table
- Splitting a table
- Using a revision table
- Leader annotation options
- Design tables in drawings

### **Additional Drawing Tools**

- Reusing drawings
- DrawCompare
- SOLIDWORKS design checker
- SOLIDWORKS task scheduler

### **Managing Performance**

- Managing performance
- Performance evaluation
- Detailing practices
- Systems options & document properties
- Open options
- Detached drawings
- Hardware and performance
- Additional considerations
- Quick reference guide

