

Course: Solid Edge Advanced Draft

Duration: 2 days

Version: ST9

At Course Completion

Students will have learned how to utilize the advanced capabilities in the Solid Edge Draft environment. Upon completion, students will be able to create, and manipulate, draft templates. They will also have a deeper understanding on how to manage and manipulate the views, dimensions, annotations, styles, and tables, in the Draft environment. This advanced knowledge will allow the student to improve on both qualities of, and efficiency in, their draft documents.

Prerequisites

Here are the standard pre-requisites for the training course. Potential students should have or completed the following prior to the class:

- Mechanical Design Experience
- Windows Experience
- **Completion of the Solid Edge Fundamentals course.**

This course builds upon techniques taught in the Fundamentals course. It is assumed that any student taking this course will already know how to create simply draft views and documents, and has a good understanding of the Solid Edge user interface.

Course Content

Course consists of;

- PowerPoint's to support the Instructor's lecture.
- Instructor lead demonstrations.
- Instructor lead activities.
- Independent practical activities to reinforce the lessons.

Topics:

Day 1

Module 1: Draft Templates

- ❖ Draft Templates
 - Global Settings
 - Background Sheet
 - Boundaries, Title Blocks, and Logos
 - Callouts
 - Working Sheet
 - Quicksheet templates
 - Saving the template
 - Template locations

Module 2: Advanced View Control

- ❖ Advanced View Control
 - DV Wizard saved settings
 - Rapid population of draft template
 - Draft Quality drawing views
 - Drawing View Display Depths
 - Locking a drawing view
 - Modify a drawing view cropping boundary
 - Advanced Detail View option
 - View Alignment of Break Lines
 - Drawing View Styles
 - Perspective view

Module 3: Advanced View Editing

- ❖ Advanced View Editing
 - View Activation
 - View properties
 - Track Dimension Changes
 - Drawing View Tracker
 - Force Drawing Views to Update
 - Sheet Compare

Module 4: Advanced Dimensions – Part 1

- ❖ Advanced Dimensions
 - Smart Dimension Hot Keys
 - Coordinate Dimension options
 - Symmetric Dimensions
 - Attach Dimensions
 - Dimension Alignment
 - Dimension Automatic Arrangement
 - Insert a vertex in a leader
 - Hole Tables

Day 2

Module 5: Advanced Dimensions – Part 2

- ❖ Advanced Dimension
 - Dimension Styles
 - Add Jogs to Dimensions
 - Copy Attributes
 - Hole Count in Callout
 - FOP Tables

Module 6: Advanced Annotations

- ❖ Advanced Annotations
 - Advanced control over center lines and center marks
 - Stacked Balloons
 - Special Symbols
 - Reference Text
 - Technical Text note
 - Format Code
 - Annotation Alignment Shape

Module 7: Parts List and Tables

- ❖ Parts List and Tables
 - Parts List Properties in detail
 - Tables Styles
 - Pull Assembly or Model Out of Assembly Context
 - Tolerance Table
 - User-defined Tables

Module 8: Miscellaneous Tools

- ❖ Layers
- ❖ Blocks
- ❖ Symbols
- ❖ Multi-Sheet Printing/Plotting

Note: The number of lessons covered on any given day could vary due to the progress of the class.