

## SOLIDWORKS Drawings

### OVERVIEW

**CLASSROOM LENGTH:** 3 days / **INSTRUCTOR-LED ONLINE LENGTH:** 6 days

**PREREQUISITES:** We recommend completing the SOLIDWORKS Essentials course.

**DESCRIPTION:** SOLIDWORKS Drawings is a three-day training course that teaches designers how to create drawings of parts & assemblies by expanding on drawing topics introduced in the Essentials course.

#### LESSON 1:

##### REVIEW OF THE BASICS

- Review of Essentials
- Drawing System Options
- Beginning a New Drawing
- View Palette and Model Views
- Detailing Techniques
- Section Views
- Detail Views
- Moving Drawing Views
- Moving Dimensions
- Center Marks & Centerlines
- Assembly Drawing Review
- Adding Shee

#### LESSON 2:

##### 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
- Creating a Sample Model and Drawing

#### LESSON 3:

##### CUSTOMIZING THE SHEET FORMAT

- Customize the Sheet Format
- Completing the Title Block Notes
- Title Block Fields

#### LESSON 4:

##### SAVING AND TESTING THE SHEET FORMAT FILE

- Understanding Sheet Format Properties
- Understanding Sheet Format Behavior
- Saving the Sheet Format
- Testing the Sheet Format
- Testing Sheet Format Properties

#### LESSON 5:

##### CREATING ADDITIONAL SHEET FORMATS AND TEMPLATES

- Creating Additional Sheet Formats
- Drawing Templates with Sheet Formats
- Other Drawing Template Items
- Property Tab Builder
- Properties.txt File

#### LESSON 6:

##### 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 Views for Assemblies
- Section Scope
- Alternate Position View
- Using Configurations
- Custom View Orientations
- New View
- Relative View
- 3D Drawing Views

## SOLIDWORKS Drawings

### LESSON 7:

#### UNDERSTANDING ANNOTATION VIEWS

- Understanding Annotation Views
- Annotations Folder
- Annotations View Visibility
- Editing Annotation Views

### LESSON 8:

#### ADVANCED DETAILING TOOLS

- Detailing Tools
- Annotation Views vs. Model Items
- Parametric Notes
- Dimension Types
- Arranging Dimensions
- Location Labels

### LESSON 9:

#### USING LAYERS, STYLES AND THE DESIGN LIBRARY

- Using Layers
- Dimension Styles
- Annotations in the Design Library
- Flag Note Bank

### LESSON 10:

#### 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

### LESSON 11:

#### ADDITIONAL SOLIDWORKS TABLES

- Additional SOLIDWORKS Tables
- Inserting a Hole Table
- Splitting a Table
- Using a Revision Table
- Leader Annotation Options
- Design Tables in Drawings

### LESSON 12:

#### ADDITIONAL DRAWING TOOLS

- Reusing Drawings
- DrawCompare
- SOLIDWORKS Design Checker
- SOLIDWORKS Task Scheduler

### LESSON 13:

#### MANAGING PERFORMANCE

- Managing Performance
- Performance Evaluation
- Detailing Practices
- System Options & Document Properties
- Open Options
- Detached Drawings
- Hardware and Performance
- Additional Considerations
- Quick Reference Guide