SOLIDWORKS ADVANCED DRAWINGS

PREREQUISITES

- Basic experience with SolidWorks software Parts, Assemblies + Drawings course.

LENGTH

3 Days

DESCRIPTION

- This course will provide an in-depth coverage of making advanced drawings of SolidWorks parts and assemblies.

REVIEW OF THE BASICS

- Review of Essentials
- Drawing System Options
- Beginning a New Drawing
- View Palate and Model Views
- Detailing Techniques
- Section Views
- Detail Views
- Moving Dimensions

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

CUSTOMIZING THE SHEET FORMAT

- Customize the Sheet Format
- Completing the Title Block Sketch
- Completing the Title Block Notes
- Tips for Locating Notes
- Adding a Company Logo
- Defining the Border
- Setting Anchors

SAVING & 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

CREATING ADDITIONAL SHEET FORMATS

- Creating Additional Sheet Formats
- Drawing Templates with Sheet Formats
- Other Drawing Template Items
- Property Tab Builder

ADVANCED OPTIONS FOR DRAWING VIEWS

- Advanced Drawing Views
- Showing Hidden Edges
- Broken-out Section Edges
- Auxiliary View
- Rotating Views
- Crop View
- Understanding View Focus
- Advanced Views for Assemblies
- Section Scope
- Alternate Position View
- Custom View Orientation

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SOLIDWORKS ADVANCED DRAWINGS

UNDERSTANDING ANNOTATIONS VIEWS
- Understanding Annotation Views
- Understanding Annotation Behavior
- Annotations Folder
- Default Annotation Views
- Annotations View Visibility
- Editing Annotation Views

ADVANCED DETAILING VIEWS
- Detailing Tools
- Annotation Views vs Model Items
- Parametric Notes
- Dimensions Types
- Arranging Dimensions
- Dimension Styles
- Location Labels

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

ADDITIONAL DRAWING TOOLS
- Reusing Drawings
- Draw Compare
- SolidWorks Design Checker
- SolidWorks Task Scheduler

MANAGING PERFORMANCE
- Managing Performance
- Performance Evaluation
- Detailing Practices
- System Options and Document Properties
- Open Options
- Detached Drawings
- Hardware and Performance
- Additional Considerations