

SolidWorks Drawings

Length: 1 day

Prerequisites: SolidWorks Essentials

Description: This course teaches you how to make drawings of SolidWorks parts and assemblies.



Introduction

- ❖ About This Course
- ❖ Windows® XP
- ❖ Use of Color

Lesson 1: Drawing Sheets and Views

- ❖ Drawing Sheets and Views
- ❖ Terminology
- ❖ Drawing Views
- ❖ Sketching in Drawing Views
- ❖ View Settings
- ❖ Centermarks and Centerlines
- ❖ Model Edges in the View

Lesson 2: Dimensions

- ❖ Dimensions
- ❖ Moving and Deleting Dimensions
- ❖ Dimension Properties

Lesson 3: Annotations

- ❖ Adding Annotations
- ❖ Annotation Types
- ❖ Blocks

Lesson 4: Sheet Formats and Templates

- ❖ Sheet Formats and Templates
- ❖ Drawing Templates
- ❖ Properties in the Template
- ❖ User Defined Properties
- ❖ Customizing a Sheet Format
- ❖ Importing Legacy Data
- ❖ Define Title Block
- ❖ Updating Sheet Formats

Lesson 5: Assembly Drawing Views

- ❖ Assembly Drawing Views
- ❖ Creating Views of Assemblies

Lesson 6: Bill of Materials and Tables

- ❖ Creating and Managing a Bill of Materials
- ❖ The Bill of Materials
- ❖ Adding a BOM
- ❖ Modifying the BOM
- ❖ Tabulated Bill of Materials
- ❖ Design Tables in the Drawing

Lesson 7: Performance and Display Issues

- ❖ Performance and Display Issues
- ❖ Large Assembly Mode
- ❖ Lightweight Drawings
- ❖ Detached Drawings
- ❖ Display Issues in Drawing Views

Lesson 8: Drawing References and Comparison

- ❖ Reusing a Drawing File
- ❖ Changing Drawing References
- ❖ Using DrawCompare
- ❖ SolidWorks Design Checker

Lesson 9: Using DimXpert and TolAnalyst

- ❖ DimXpert
- ❖ Tolerance Types and Features
- ❖ DimXpert Selections
- ❖ Settings for DimXpert
- ❖ Auto Dimension Scheme
- ❖ Turned Part
- ❖ Using Plus and Minus
- ❖ DimXpert Annotations and Drawings
- ❖ Using DimXpert Manually
- ❖ TolAnalyst

Appendix A: Preparations for Detailing

Appendix B: Drawing Sheets and Views

- ❖ Drawing Sheets and Views
- ❖ Drawing Views

Appendix C: Center Marks and Centerlines

Appendix D: Dimensions

Appendix E: Annotations

Appendix F: Sheet Formats and Templates

Appendix G: Assembly Drawing Views

Appendix H: Bill of Materials and Tables

Appendix I: Settings

- ❖ Settings
- ❖ System Options
- ❖ Document Properties
- ❖ Drafting Standard
- ❖ Annotations
- ❖ Dimensions
- ❖ Tables