



SolidWorks Drawings

Pre-Requisites:

- SolidWorks Essentials

Daily Schedule: Begin at 8:30 a.m., End at 4:30 p.m., 1 hour lunch

Length: 2 Days

Description: This course concentrates on creating drawings of SolidWorks models. Topics range from setting up templates and sheet formats to laying out drawing views and detailing. Students learn how to create custom drawing templates that utilize custom properties to full advantage. Annotations, BOM, optimization, and eDrawings are just some of the many lessons covered in this comprehensive class.

Everything you could possibly want to know about making SolidWorks drawings is covered in a comprehensive two-day class. The book for this class is almost as large as the four-day Essentials book! The reason? The back half of the book is an indispensable reference manual that details every single option for every single annotation, dimension, and view type in SolidWorks! I can't tell you how many students have come through this class and exclaimed, "I wish I would have taken this long ago! It would have made my life so much easier."

This course is taught from the official course curriculum from SolidWorks Corporation, with additional information from Graphics Systems instructors.

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
- Design Checker





GRAPHICS/SYSTEMS

Your Source for SolidWorks

2010 SolidWorks Training

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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

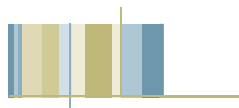
Appendix F: Sheet Formats and Templates

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
- Build Check Categories



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Madison

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