



Shounco Design Studios
Your Complete Engineering Resource Center

SolidWorks Drawings

The goal of this course is to teach you how to create engineering drawings of parts and assemblies using SolidWorks mechanical design automation software.

The topics covered in this course are:

Lesson 1: Drawing Sheets and Views

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

Lesson 3: Annotations

- Adding Annotations
- Annotation Types
- Blocks

Lesson 5: Assembly Drawing Views

- Creating Views of Assemblies

Lesson 2: Dimensions

- Moving and Deleting Dimensions
- Dimensions Properties

Lesson 4: 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 6: Bill of Materials and Tables

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



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Lesson 7: 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

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

Prerequisites: SolidWorks Essentials

Length: 2 Days

Cost: \$695