



## SOLIDWORKS 2007 DRAWING

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

**Prerequisites:** Mechanical design experience; experience with the Windows™ operating system.

**Duration:** 2-Day (16 hours)

### COURSE OUTLINE

The topics covered in this course are:

#### **Lesson 1: Drawing Sheets and Views**

- Drawing Sheets and Views
- Terminology
- Drawing Sheets
- 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
- Using a Sheet Format
- Importing Legacy Data
- 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
- Table Functions
- 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

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## Appendix A: Preparations for Detailing

## Appendix B: Drawing Sheets and 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

System Options

Document Properties

## Build Check Categories

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