

Shounco Design Studios **SolidWorks Training Courses**

SolidWorks Essentials

SolidWorks 2008

Length: 4 days

Price: \$1295

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

Description: SolidWorks Essentials teaches you how to use the SolidWorks mechanical design automation software to build parametric models of parts and assemblies, and how to make drawings of those parts and assemblies.

The topics covered in this course are:

Lesson 1: Introduction

Lesson 2: Introduction to Sketching

Lesson 3: Basic Part Modeling

Lesson 4: Modeling a Casting or Forging

Lesson 5: Patterning

Lesson 6: Revolved Features

Lesson 7: Shelling and Ribs

Lesson 8: Editing: Repairs

Lesson 9: Editing: Design Changes

Lesson 10: Configurations of Parts

Lesson 11: Design Tables and Equations

Lesson 12: Bottom-Up Assembly Modeling

Lesson 13: Using Assemblies

Lesson 14: Using DimXpert and TolAnalyst

Advanced Assembly Modeling

SolidWorks 2008

Length: 2 days

Price: \$695.00

Prerequisites: SolidWorks Essentials

Description: Advanced Assembly Modeling teaches you how to maximize your use of the assembly modeling capabilities of SolidWorks mechanical design automation software.

The topics covered in this course are:

Lesson 1: Top-Down Assembly Modeling

Lesson 2: Advanced Mate Techniques

Lesson 3: Manual Assembly Configurations

Lesson 4: Assembly Design Tables and Display States

Lesson 5: Assembly Editing

Lesson 6: Large Assemblies

Advanced Surface Modeling

SolidWorks 2008

Length: 2 days

Price: \$695.00

Prerequisites: SolidWorks Essentials

Description: Advanced Surface Modeling teaches you how to build freeform shapes using SolidWorks mechanical design automation software.

The topics covered in this course are:

Lesson 1: Understanding Surfaces

Lesson 2: Introduction to Surfacing

Lesson 3: Solid-Surface Hybrid Modeling

Lesson 4: Repairing and Editing Imported Geometry

Lesson 5: Advanced Surface Modeling

Lesson 6: Blends and Patches

Lesson 7: Master Model Techniques

Advanced Part Modeling

SolidWorks 2008

Length: 2 days

Price: \$695.00

Prerequisites: SolidWorks Essentials

Description: Advanced Part Modeling teaches you how to use multi body solids, sweeping and lofting features, and the more advanced shaping capabilities of SolidWorks.

The topics covered in this course are:

Lesson 1: Multi body Solids

Lesson 2: Sweeps

Lesson 3: Lofts and Splines

Lesson 4: Other Advanced Tools

SolidWorks Drawings

SolidWorks 2008

Length: 2 days

Prices: \$695.00

Prerequisites: SolidWorks Essentials

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

The topics covered in this course are:

Lesson 1: Drawing Sheets and Views

Lesson 2: Dimensions

Lesson 3: Annotations
Lesson 4: Sheet Formats and Templates
Lesson 5: Assembly Drawing Views
Lesson 6: Bill of Materials and Tables
Lesson 7: Performance and Display Issues
Lesson 8: Drawing References and Comparison

Sheet Metal

SolidWorks 2008

Length: 1 day

Price: \$395.00

Prerequisites: SolidWorks Essentials

Description: Sheet Metal and Weldments teaches you how to build sheet metal parts using SolidWorks mechanical design automation software. Building standalone sheet metal parts, converting parts to sheet metal, and modeling sheet metal parts in the context of an assembly are covered.

The topics covered in this course are:

Lesson 1: Modeling Sheet Metal Parts

Lesson 2: Converting Parts to Sheet Metal

Lesson 3: Modeling Sheet Metal In the Context of an Assembly

Weldments

SolidWorks 2008

Length: 1 day

Price \$395.00

Prerequisites: SolidWorks Essentials

Description: Weldments teaches you how to create welded structures with standard structural members. Weld beads are also covered.

The topics covered in this course are:

Lesson 1: Weldments

Lesson 2: Working with Pipes and Tubing

SolidWorks Routing

Length: 1.5 days

Price: \$695.00

Prerequisites: SolidWorks Essentials

Description: Routing explains how to create, edit and manage Piping Tubing and Electrical routes, from the critical routing components and their design requirements to the sub-assemblies that contain the routes.

The topics covered in this course are:

- Lesson 1: Introduction
- Lesson 2: Standard Cables
- Lesson 3: Routing Component Wizard
- Lesson 4: Editing Routes and Clips
- Lesson 5: Using Route Guidelines
- Lesson 6: Electrical Conduits
- Lesson 7: Tubing Routes
- Lesson 8: Piping Routes
- Lesson 9: Routing Library Parts
- Lesson 10: Review Section

COSMOSWorks Designer

Length: 2 days

Price: \$1495

Prerequisites: Knowledge of SolidWorks and basic mechanical engineering concepts is recommended.

Description: This course is designed to make SolidWorks users more productive more quickly with the COSMOSWorks Designer Bundle. It offers a comprehensive hands-on training on the applications of COSMOSWorks. The class discusses linear stress analysis, gap/contact analysis, and best practices. Analysis features are discussed using an integrated approach of the COSMOSWorks software from within the SolidWorks environment. Finally, examples of parts and assemblies including those with various gap/contact conditions are reviewed.

The topics covered in this course are:

- Lesson 1: Static Analysis of a Rectangular Hollow Plate
- Lesson 2: Static Analysis of an L-Bracket
- Lesson 3: Contact/Gap Analysis of Pliers
- Lesson 4: Shrink Fit Analysis of a Wheel Assembly
- Lesson 5: Static Analysis of a Differential Assembly
- Lesson 6: Shell Analysis of a Pulley
- Lesson 7: Connectors, Special Supports and Contacts
- Lesson 8: Mixed Meshing Analysis of an Impeller
- Lesson 9: Vehicle Suspension Analysis Using Design Scenarios
- Lesson 10: Static Analysis of a Support Bracket
- Lesson 11: Thermal Stress Analysis of a Bimetal Strip
- Lesson 12: Static Analysis of a Conveyor Frame
- Lesson 13: Contact Analysis of a Clamp