

Shounco Design Studios
SolidWorks Training Courses
February Schedule through June Schedule

SolidWorks Essentials

March 4-7th

FULL- Waiting list only

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

SolidWorks Routing

March 20th-21st

Class is filling quickly

SolidWorks 2008

Length: 2 days

Prices: \$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

Advanced Part Modeling

March 25th-26th

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

COSMOSWorks Designer

March 31st- April 1st

Class is filling quickly

Length: 2 days

Regular 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

SolidWorks Essentials

April 8th- 11th

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

SolidWorks Drawings

April 17th -18th

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

Advanced Assembly Modeling

April 24th-25th

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

SolidWorks Essentials

May 6th- 9th

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

Weldments

May 23rd

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

Advanced Part Modeling

May 29-30th

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 Essentials

June 3rd - 6th

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

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Advanced Surface Modeling

June 26th -27th

SolidWorks 2008

Length: 2 days

Price: \$695.00

Prerequisites: SolidWorks Essentials and Advanced Part Modeling

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