



SOLIDWORKS 2007: ADVANCED SURFACING MODELING

Objective:

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

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: Introduction to Surfacing

- What is Solid?
- Working with Surface Bodies
- Why Use Surfaces?
- Workflow with Surfaces

Lesson 2: Solid-Surface Hybrid Modeling

- Hybrid Modeling
- Using surfaces to Modify Solids
- Interchanging Between Solids and Surfaces
- Surfaces as Construction Geometry
- Repairing and Editing Imported Geometry

Lesson 3: Surface Modeling

- Stages in the Process
- Lofting Surfaces
- Modeling the Lower Half
- Filling in Gaps
- Design Changes

Lesson 4: Blends and Patches

- Complex Blends
- Smoothing Patches
- Freeform Feature

Lesson 5: Master Model Techniques

- Introduction to Master Models
- Surface Master Techniques
- Working with a Solid Master Model
- Rapid Prototyping

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