

SolidWorks 2011: Advanced Surface Modeling



Prerequisites:

SolidWorks Essentials
Advanced Part Modeling

Logistics:

Length: 2 days
Time: 9:00 am—5:00 pm
Price: \$750.00

OVERVIEW

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

TOPICS COVERED

Lesson 1:

Understanding Surfaces

Solids and Surfaces
Working with Surface Bodies
Why Use Surfaces?
Continuity Explained
Workflow with Surfaces

Lesson 2:

Introduction to Surfacing

Similarities between Solid and Surface Modeling
Basic Surfacing

Lesson 3:

Solid-Surface Hybrid Modeling

Hybrid Modeling
Using surfaces to Modify Solids
Interchanging Between Solids and Surfaces
Performance Implications
Surfaces as Construction Geometry
Making Copies of Faces

Lesson 4:

Repairing and Editing Imported Geometry

Importing Data
Repairing and Editing Imported Geometry

Lesson 5:

Advanced Surface Modeling

Ruled Surfaces
Lofting Surfaces
Modeling the Lower Half
Conclusion
Design Changes

Lesson 6:

Blends and Patches

Complex Blends
Smoothing Patches
Freeform Feature
Corner Blends

Lesson 7:

Master Model Techniques

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



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