

SOLIDWORKS Surface Modeling

LENGTH: 2 DAYS

Prerequisites: SOLIDWORKS Essentials, Advanced Part Modeling

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



Topics covered in this course are:

Introduction

- About This Course
- Using this Book
- Windows® 7
- Use of Color
- Icons
- Hide/Show Tree Items

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

- Stages in the Process
- Ruled Surfaces
- Lofting Surfaces
- Modeling the Lower Half
- Conclusion
- Design Changes

Lesson 6: Blends and Patches

- Complex Blends
- Smoothing Patches
- Boundary Surface
- Freeform Feature
- Corner Blends

Lesson 7: Master Model Techniques

- Introduction to Master Models
- Surface Master Model Technique
- Working with a Solid Master Model
- SOLIDWORKS Explorer



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Training Registration

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