Course Duration: 2 days

Prerequisites: SolidWorks Essentials, Advanced Part Modeling

Description: Surface Modeling teaches you how to build freeform shapes using SolidWorks

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
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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SolidWorks 3D Solutions