CADspace Training

# Course Outline

CADSPACE 3D CAD SOFTWARE

| Solidworks Surface Modelling – 2 days | |
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| Description | This course teaches you how to build freeform shapes using SolidWorks. |
| Prerequisites | Solidworks Essentials course<br>Solidworks advanced part modelling course |

**Lesson 1: Understanding Surfaces**
Solids and Surfaces
Behind the scenes
Creating Solids from Surfaces
Decomposing Solid into Surfaces
Additional Surface Concepts
Why use Surfaces?
Continuity Explained
Workflow with Surfaces

**Lesson 2: Introduction to Surfacing**
Similarities Between Solid and Surface Modelling
Basic Surfacing
Alternative to Trim

**Lesson 3: Solid-Surface Hybrid Modelling**
Hybrid Modelling
Using Surfaces to Modify Solids
Interchanging Between Solids and Surfaces
Performance Implications
Surfaces as Construction Geometry
Making Copies of Faces
Flattening Surfaces

**Lesson 4: Repairing and Editing Imported Geometry**
Importing Data
File Translation
Why Do Imports Fail
SOLIDWORKS Import Options
Importing a STEP File
Comparing Geometry
Addressing Translation Errors
Repairing and Editing Imported Geometry

Lesson 5: Blends and Patches
Smoothing Patches
Boundary Surface
Corner Blends

**Lesson 6: Complex Blends**
Complex Blends
Freeform Feature

**Lesson 7: Advanced Surface Modeling**
Stages in Process
Modeling the Lower Half
Design Changes

**Lesson 8: Master Model Techniques**
Introduction to Master Models
Surface Master Model Technique
Working with a Solid Master Model
Specialized Features for Plastic Parts

**To Book call: 1300 SWX CAD (1300 799 223)**

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