

# SolidWorks Advance Surface Modeling 2012 Training Course



**Course Outline** Duration: 2 days • Prerequisites: SolidWorks Essentials

- LESSON 1** Understanding Surfaces
- LESSON 2** Introduction to Surfacing
- LESSON 3** Solid-Surface Hybrid Modeling
- LESSON 4** Repairing and Editing Imported Geometry

- LESSON 5** Advanced Surface Modeling
- LESSON 6** Blends and Patches
- LESSON 7** Master Model Techniques

## Training Content

### 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

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

### LESSON 6

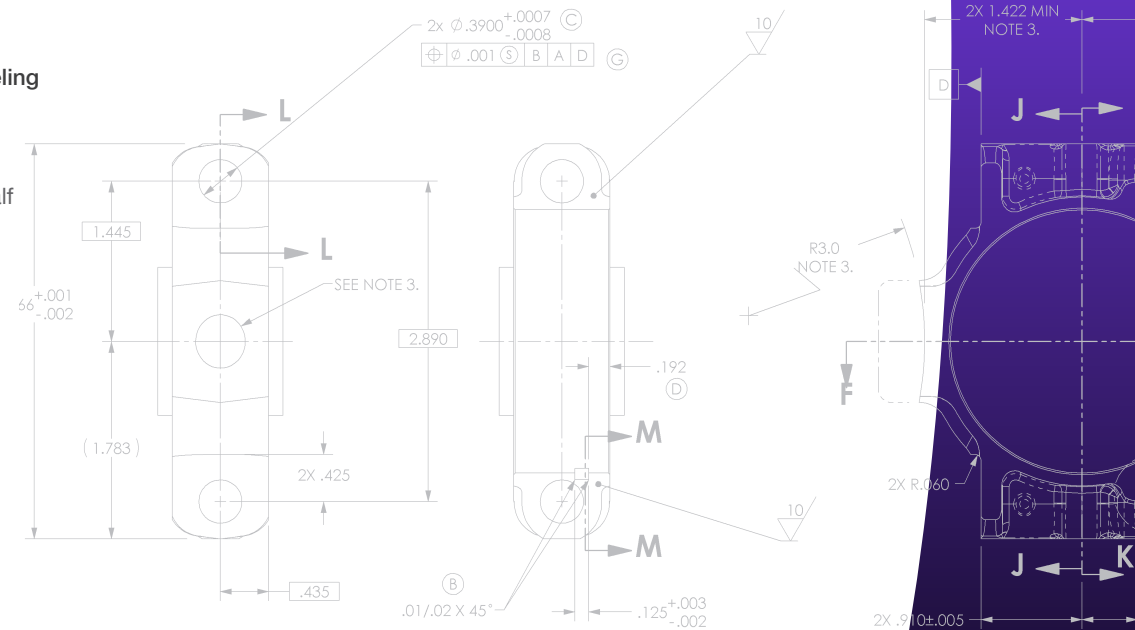
#### Blends and Patches

- 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



**AUSTRALIA**  
1300 CAD CAM (223 226)  
www.intercad.com.au

**NEW ZEALAND**  
0508 CAD CAM (223 226)  
www.intercad.co.nz

| SYDNEY | MELBOURNE | BRISBANE | PERTH | ADELAIDE | AUCKLAND | CHRISTCHURCH |

**SOLIDWORKS**  
LET'S GO DESIGN



**intercad**  
driving the design