



## SolidWorks Weldments

### Pre-Requisites:

- SolidWorks Advanced Part Modeling

**Daily Schedule:** Begin at 8:30 a.m., End at 4:30 p.m., 1 hour lunch

**Length:** 1 Day

**Description:** Learn how to make weldments in SolidWorks. Topics include the design and modification of weldments, including weldment features such as structural members, end caps, and gussets. Basic detailing and cut list generation is also covered.

This course is taught from the official course curriculum from SolidWorks Corporation, with additional information from Graphics Systems instructors.

### Introduction

About This Course  
Windows XP  
Use of Color

### Lesson 1: Weldments

Weldments  
Structural Members  
Groups vs. Structural Members  
Manual Trimming of Structural Members  
Adding Plates  
Weld Beads  
Using Symmetry  
Gussets and End Caps  
Profile Sketches  
Working with Weldments  
Managing the Cut List  
Custom Properties  
Weldment Drawings

### Lesson 2: Working with Pipes and Tubing

Working with Pipes and Tubing  
3D Sketching  
Weldments and Sheet Metal in Assemblies

