

# Solid Edge Advanced Training

## COURSE OUTLINE

The two-day, advanced Solid Edge class builds on the knowledge provided in the fundamentals class. This course is recommended for both students who have completed the fundamentals course, and those experienced Solid Edge users who wish to improve on their overall Solid Edge skill set. This course is an interactive course in which the students will be challenged with a variety of modeling problems and exposed to a number new tools and techniques. The class expands on the fundamental class's goal of developing an intuitive understanding of the software. Both traditional history and the new history-free (Synchronous Technology) techniques will be covered.

### LARGE ASSEMBLIES

- Configurations
- Selection tools
- Active/inactive
- Searches
- Simplified parts in assemblies
- Draft quality views
- Performance issues—open empty assembly
- Associative assemblies
  - Include edge
  - Inter-part copies
  - Data management issues

### PART MODELING

- Parent child relationships
- Replace face
- Copy sketch
- Variable table
- History-free modeling

### FRAME DESIGN

- 3D sketches
- Frame components
- Material list in draft

### SHEET METAL

- Corner closes
- Lofted flange
- Material table
- Feature library

### SCHEMATIC INTRODUCTION

#### WELDMENTS

- Associative callouts
- Weld creation
- Secondary machining

#### DATA MANAGEMENT

- Where used searches
- Replace part/assembly
- Status change, moving files safely
- Reports

#### DETAIL DRAFTING

- Section of section
- Aligning views
- Independent detail views
- Callout command-
- Associative text
- Standards for templates/server setups

#### PATTERNING

- Fit, Fill, Fixed
- As a sketch
- Assembly patterns

#### BLUESURF INTRODUCTION

- Pierce point
- Curvature combs
- Stitching/trimming
- Edge conditions
- Blending

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