

Inventor Introduction to Solid Modeling Intermediate



INVENTOR INTRODUCTION TO SOLID MODELING INTERMEDIATE TRAINING COURSE SYNOPSIS

Inventor Introduction to Solid Modeling training instructs students in the best usage approaches for parametric design philosophy through a hands-on, practice-intensive curriculum.

PREREQUISITES FOR THIS INVENTOR INTRODUCTION TO SOLID MODELING INTERMEDIATE TRAINING COURSE

A working knowledge of basic design/drafting procedures and terminology and a working knowledge of your operating system.

WHAT YOU WILL LEARN IN INVENTOR INTRODUCTION TO SOLID MODELING INTERMEDIATE TRAINING COURSE

- Duplicating geometry in the model
- Placing and constraining/connecting parts in assemblies
- Manipulating the display of components in an assembly
- Obtaining model measurements and property information
- Creating Presentation files (Exploded views)
- Modifying and analyzing the components in an assembly
- Simulating motion in an assembly
- Creating parts and features in assemblies
- Creating and editing an assembly Bill of Materials
- Working with projects
- Creating and annotating drawings and views
- Customizing the Autodesk Inventor environment

INVENTOR INTRODUCTION TO SOLID MODELING INTERMEDIATE TRAINING COURSE LENGTH AND TIME

This class is 3 days long. Class time is 9:00 a.m.- 4:00 p.m. Breaks are scheduled throughout the day and lunch is typically scheduled 12-1. Students provide their own lunch.

ENROLLMENT IN INVENTOR INTRODUCTION TO SOLID MODELING INTERMEDIATE TRAINING COURSE

Please see our Enrollment Page (<http://www.ledet.com/enroll>) for our enrollment form. Please contact our Client Care Department at (877) 819-2665 for additional savings on our bootcamp classes or other specials.

INVENTOR INTRODUCTION TO SOLID MODELING INTERMEDIATE TRAINING COURSE LOCATIONS

We have training centers in Atlanta, Chicago, Denver, San Diego and Washington DC. We also offer classes at a network of rental facilities. We offer private onsite training and instructor-led, live online training. If coming to a rental facility, please double-check the location of your class with our office to make sure you get to the right location.

GOALS FOR INVENTOR INTRODUCTION TO SOLID MODELING INTERMEDIATE TRAINING COURSE

Sterling Ledet and Associates realizes the importance of education and we take pride in being able to offer you classes that are more custom fit to your needs. Call us at (877) 819-2665 if you have any special questions or e-mail us at sales@ledet.com.

Inventor Introduction to Solid Modeling Intermediate

LESSON 1 - SWEEP FEATURES.

Sweep Features.

LESSON 2 - LOFT FEATURES

Rail and Center Line Lofts
Advanced Loft Options

LESSON 3 - DUPLICATION TOOLS

Rectangular Feature Patterns
Circular Feature Patterns
Mirror Parts or Features
Manipulate Patterns and Mirror Features

LESSON 4 - FEATURE RELATIONSHIPS

Establishing Relationships
Controlling Relationships
Investigating Relationships
Changing Relationships

LESSON 5 - ASSEMBLY ENVIRONMENT

Assembling Components
Content Center
Assembly Browser
Saving Files

LESSON 6 - JOINT CONNECTIONS

Assembling Components

LESSON 7 - MANIPULATING ASSEMBLY DISPLAY

Moving and Rotating Assembly
Components .
Suppressing Constraints
Component Display
Selection Options in Assemblies

LESSON 8 - MODEL INFORMATION

Measurement Tools
Model Properties

LESSON 9 - DESIGN PRESENTATION AND ANIMATION

Exploded View Presentations

LESSON 10 - ASSEMBLY TOOLS

Replacing Components
Restructuring Components
Driving Constraints
Contact Solver
Interference
Error Recovery

LESSON 11 - ASSEMBLY PARTS AND FEATURES

Assembly Parts
Assembly Features

LESSON 12 - ASSEMBLY BILL OF MATERIALS

Create Virtual Components
Create Bill of Materials

LESSON 13 - WORKING WITH PROJECTS

New Projects
Resolving Links

LESSON 14 - DRAWING BASICS

Creating a New Drawing
Base and Projected Views
Additional Drawing Views
Manipulating Views

LESSON 15 - DETAILING DRAWINGS

Dimensions
Drawing Sheets
Parts List
Balloons
Styles and Standards
Hatching

LESSON 16 - DETAILING DRAWINGS

Text
Symbols
Hole and Thread Notes
Chamfer Notes
Center Marks and Center Lines
Hole Tables
Revision Tables and Tags

LESSON 17 - CUSTOMIZING AUTODESK INVENTOR

Application Options
Document Settings
File Properties
Changing Part Units
Command Customization