

Autodesk Inventor 2008 Transitioning from Autodesk Inventor 11 with Sheet Metal

Courseware Description

This courseware covers the new and enhanced functionalities and workflows offered in Autodesk® Inventor™ 2008. Students learn how to quickly take advantage of the features offered to assist AutoCAD users who are transitioning to Autodesk Inventor, productivity enhancements made to the sketch, part, assembly, and drawing environments, as well as modifications for working with sheet metal designs.

Hands-on exercises representing real-world, industry-specific design scenarios are included.

Suggested Course Duration:	3 days
Pages:	148 (plus 434 for the Transitioning from Autodesk Inventor 11 courseware)
Trial CD:	No
Onscreen Exercises Included?	Yes

Objectives

The primary objective of this courseware is to teach students how to quickly take advantage of the new and enhanced functionalities and workflows offered in Autodesk Inventor 2008.

Who Should Attend

This courseware is designed for experienced Autodesk Inventor users who use all environments of the application including sheet metal.

Prerequisites

Students should have a thorough understanding of Autodesk Inventor parametric part design, assembly design, documentation, and the sheet metal environment. It is also recommended that the student have a working knowledge of Microsoft® Windows® XP or Microsoft® Windows® 2000.

Course Outline

Day 1

User Interface and Profiles

- User Interface
- User Profiles

DWG Interoperability

- Working with DWG Files
- Leverage 2D AutoCAD Data
- Integrate Inventor and AutoCAD Design Data

2D/3D Sketching

- Visual Feedback
- Mirroring, Rotating, and Stretching Geometry
- Moving, Scaling, and Copying Geometry
- Helical Curves in 3D Sketches
- Associative Project Cut Edges

Assembly Design

- Using the Content Center
- Managing Content Center Data
- Deriving Designs

Day 2

Assembly Design

- Creating Frames
- Modifying Frames
- Additional Functionality

Part Design

- Split Geometry
- Area Loft
- Measurement and Analysis
- Bent Parts
- Spotface Holes and Tapered Threads
- Copying Objects
- Importing and Exporting Data
- Additional Functionality

Drawing Manager

- Detail Views
- Isometric Views
- Section Views
- Slice Views
- Dimension Enhancements
- Revision Tables and Tags
- Additional Functionality

Day 3

Sheet Metal

- Usability Features
- Corner Seams
- Flanges
- Contour Flanges
- Sheet Metal Punch iFeatures
- Flat Pattern Creation and Cleanup
- DXF/DWG Export
- Bend and Punch Tables
- Sheet Metal Documentation

Note: The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

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