

Autodesk Inventor LT 2010

Learning Autodesk Inventor LT 2010

Description

Learn the fundamental principles of 3D parametric part design and creating production-ready part drawings using Autodesk® Inventor® LT. Hands-on exercises representing real-world, industry-specific design scenarios are included.

Pages	Vol.1 ~ 412; Vol. 2 ~ 496
Trial CD	Yes
Onscreen Exercises	Yes
Prerequisites	No previous CAD experience is necessary. Working knowledge of the following: <ul style="list-style-type: none">• Drafting, design, or mechanical engineering principles.• Microsoft® Windows® Vista or Microsoft® Windows® XP.

Class Information

Suggested Duration	3 days
Objective	Provide users with a thorough understanding of the principal 3D design, and documentation processes necessary for developing products using Autodesk Inventor LT. After completion, users will: <ul style="list-style-type: none">• Capture design intent by using the proper techniques and recommended workflows for creating intelligent 3D parametric parts.• Document designs using base, projected, section, detail, and isometric drawing views.• Follow drafting standards while dimensioning and annotating drawing views.
Who Should Attend	New Autodesk Inventor LT users.

In this Guide

Getting Started

- Autodesk Inventor LT User Interface
- View Manipulation
- Designing Parametric Parts

Basic Sketching Techniques

- Creating 2D Sketches
- Geometric Constraints
- Dimensioning Sketches

Basic Shape Design

- Creating Basic Sketched Features
- Intermediate Sketching
- Advanced Sketching Tools
- Editing Parametric Parts
- 3D Grip Editing
- Creating Work Features
- Creating Basic Swept Shapes

Basic View Creation

- Drawing Creation Environment
- Base and Projected Views
- Section Views
- Detail Views
- Cropped Views
- Managing Views

Dimensions

- Automated Dimensioning Techniques
- Manual Dimensioning Techniques

Detailed Shape Design

- Creating Chamfers and Fillets
- Creating Holes and Threads
- Patterning and Mirroring Features
- Creating Thin-Walled Parts

Annotations, and Tables

- Annotating Holes and Threads
- Creating Centerlines, Symbols, and Leaders
- Revision Tables and Tags

Drawing Standards and Resources

- Setting Drawing Standards
- Drawing Resources

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

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