

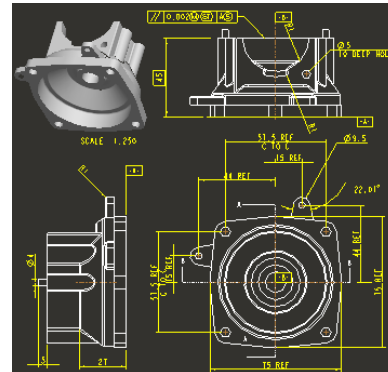
Detailing with Pro/ENGINEER Wildfire 5.0

Overview

Course Code TRN-2233-T

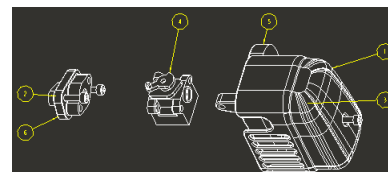
Course Length 3 Days

Detailing with Pro/ENGINEER Wildfire 5.0 is a comprehensive training course that teaches you how to quickly create detailed drawings using information captured within 3-D design models. In this course, you learn how to create drawings, how to detail drawings, and how to take advantage of the parametric and associative nature of Pro/ENGINEER Wildfire 5.0 when configuring drawings. After completing this course, you will be able to create production drawings suitable for manufacturing.



Course Objectives

- Understand the drawing development process.
- Create new drawings using formats and drawing templates.
- Create different types of views in drawings.
- Create dimensions and notes.
- Control display options using layers.
- Apply dimensional and geometric tolerances in drawings.
- Add draft geometry and symbols to drawings.
- Use layers in drawings to control the display of views and detail items.
- Create drawing tables and a bill of materials.
- Create drawing formats.
- Configure the drawing environment.
- Manage large drawings.



Prerequisites

- Introduction to Pro/ENGINEER Wildfire 5.0.

Audience

- This course is intended for mechanical designers, design engineers, and related roles.

Agenda

Day 1

Module	1	Introduction to Drawings
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Module	2	Creating New Drawings
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Module	3	Creating Drawing Views
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Day 2

Module	4	Adding Model Details to Drawings
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Module	5	Adding Notes to Drawings
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Module	6	Adding Tolerance Information
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Module	7	Adding Draft Geometry and Symbols
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Day 3

Module	8	Using Layers in Drawings
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Module	9	Creating and Using Tables in Drawings
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Module	10	Using Report Information in Drawings
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Module	11	Creating Drawing Formats
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Module	12	Configuring the Drawing Environment
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Module	13	Managing Large Drawings
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Course Content

Module 1. Introduction to Drawings

- i. Understanding Drawing Concepts
- ii. Drawing Development Process
- iii. Understanding the Drawing Ribbon User Interface
- iv. Exploring Drawing Ribbon Commands

Knowledge Check Questions

Module 2. Creating New Drawings

- i. Creating Drawings Using Formats and Sheets
- ii. Creating Drawing Templates
- iii. Creating Drawings Using Drawing Templates

Knowledge Check Questions

Module 3. Creating Drawing Views

- i. Configuring Drawing Models
- ii. Configuring Drawing Sheets
- iii. Adding General Views
- iv. Adding Projection Views
- v. Editing Drawing Views
- vi. Editing Visible View Area
- vii. Adding Detailed Views
- viii. Adding Auxiliary Views
- ix. Understanding Cross-Section Concepts and View Types
- x. Adding 2-D Cross-Section Views
- xi. Modifying Cross Hatching Display
- xii. Adding Assembly Exploded Views

Knowledge Check Questions

Module 4. Adding Model Details to Drawings

- i. Understanding Annotations in Drawings
- ii. Showing, Erasing, and Deleting Annotations
- iii. Inserting Driven Dimensions
- iv. Inserting Ordinate Dimensions
- v. Adjusting Dimensions and Detail Items
- vi. Changing Dimension Display

Knowledge Check Questions

Module 5. Adding Notes to Drawings

- i. Adding and Editing Notes
- ii. Using Parametric Information and Special Characters in Notes

Knowledge Check Questions

Module 6. Adding Tolerance Information

- i. Understanding Dimensional Tolerances
- ii. Configuring Dimensional Tolerances
- iii. Understanding Geometric Tolerances
- iv. Setting Up Geometric Tolerance References
- v. Applying Geometric Tolerances

Knowledge Check Questions

Module 7. Adding Draft Geometry and Symbols

- i. Creating and Editing Draft Geometry
- ii. Understanding Drawing Symbols
- iii. Using Surface Finish Symbols
- iv. Using the Symbol Palette and Custom Symbols
- v. Creating Symbols

Knowledge Check Questions

Module 8. Using Layers in Drawings

- i. Understanding Layers in Drawings
- ii. Using Layers in Drawings

Knowledge Check Questions

Module 9. Creating and Using Tables in Drawings

- i. Creating and Configuring Tables
- ii. Creating Hole Tables

Knowledge Check Questions

Module 10. Using Report Information in Drawings

- i. Creating Report Tables
- ii. Editing Report Tables
- iii. Using BOM Balloons
- iv. Creating Part Catalog Drawings

Knowledge Check Questions

Module 11. Creating Drawing Formats

- i. Creating Drawing Formats

Knowledge Check Questions

Module 12. Configuring the Drawing Environment

- i. Configuring the Drawing Environment

Knowledge Check Questions

Module 13. Managing Large Drawings

- i. Understanding Drawing Regeneration
- ii. Managing Large Drawings

Knowledge Check Questions
