DRAFTSIGHT ESSENTIALS

Length: 2 Days

Prerequisites: Mechanical design experience helpful. We recommend completing the DraftSight Tutorials. Access to SOLIDWORKS DraftSight 2019 or newer. Experience with the Microsoft Windows operating system.

Description: This course is for new users to 2D CAD design, as well as former AutoCAD Users. This course is designed to help you navigate the DraftSight User Interface, and create drawings, add dimensions and text, and much more.

Course Syllabus

Introduction

- About This Course
- Use of Color
- More DraftSight Training Resources

Lesson 1 - User Interface

- Understand the pointing device options
- Customize and employ mouse gestures and keyboard shortcuts
- Apply different workspaces
- Understand and use title bar commands
- Change drawing views
- Activate toolbars
- Use the help

Lesson 2 - View Commands

- Dynamically pan about drawings
- Utilizing the zoom in/out tool
- Create and employ named views

Lesson 3 - Coordinates

- Understand how to set up a custom coordinate system
- Understand how to get a range of information from drawing entities
- Define preferred drawing units and angle types
- Define absolute and polar coordinates as well as entity snaps
- Create and understand drawing boundaries

Lesson 4- Creating a Simple Drawing

- Create a new drawing
- Multiple selection method

- Delete entities
- Constructing geometry
  - Rectangles
  - Circles
  - Arcs
  - Polygons
- Undo and redo commands

Lesson 5 - Modifying Entities

- Move, rotate, copy and modify entities
- Create mirrored copies of entities
- Stretch, enlarge and re-scale entities
- Trim geometry to clean up the design

Lesson 6 – Properties and Layers

- Utilizing the Layer Manager
  - Change layer states
  - Activate a layer
  - Create a new layer
- Change entity properties on the fly
- Paint properties from one entity to another

Lesson 7 - Dimensions

- Create dimensions
  - Linear
  - Angular
  - Diameter
- Using Smart Dimensions
- Adjusting dimension values
- Create continuous dimensions
- Extension lines on dimensions

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Lesson 8 – Text

- Understand and create text style
- Adding simple and multi-line text notes
- Formatting text
- Adding smart leaders to notes
- Place and adjust curved text
- Find and replace text in a drawing
- Use spell check to correct typos

Lesson 9 - Blocks

- Understanding what blocks are
- Creating, editing and updating blocks

- Paste copied entities as a block
- Create and assign attributes to a block
- Change attribute display modes

Lesson 10 - Printing

- Understand how to create print previews
- Understand print configurations
- Create a new print configuration
- Carry out a Quick print
- Manually set up a print configuration
- Define printing options
- Create and set up a color print style
- Editing a PLC

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