

# PRINT READING + TOLERANCES

Learn the Best Practices for Working with Parts, Prints, and Tolerances

## Section 1: Drawing Information

- Course Overview
- The Two Types of Drawings
- Goal of an Engineering Drawing
- Most Important Parts of a Drawing
- Field of View
- Title Block
- General Drawing Notes
- Revision Block
- Bill of Materials

## Section 2: Drawing Visualization

- Part Geometry Lines
- Orthographic Views – Viewing 2D to 3D
- Common Drawing Views
- Section Views
- Descriptive Dimensioning Lines

## Section 3: Special Requirement Callouts

- General Drawing Symbols & Callouts
- Holes & Threads
- Roughness & Hardness
- Fundamental Welding Symbols

## Section 4: - Tolerancing System

- Introduction to Tolerances
- Metric vs Inch
- Dimensional ( $\pm$ ) Tolerances
- Dimensioning Methods
- Dimensional Tolerance Examples
- The Basics of GD&T
- GD&T Examples

## Section 5: Final Exam

- Print Reading & Tolerances Final Exam

All online course access includes live monthly example webinars and our large library of real part examples where we show how to apply specific content from the course.

We promise, once you take our training & understand our Print Reading framework, you will drastically improve the way you work with your drawings. Our goal is that you can apply what you learn immediately!

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