FPST 2343
INDUSTRIAL HYGIENE

VIDEO LECTURE
WEEK 1 LAB 1C
ENGINEERING
PROBLEM SOLVING

Learning Objectives

- Ability to read and understand an engineering problem
- Ability to properly set up an engineering problem, including a diagram, identifying correct formulas, and stating assumptions
- Know how to use the engineering problem template
- Work an engineering problem from beginning to end, tracking units and maintaining digits of precision
- Report and check an answer including units and significant digits

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Lecture Outline

- The engineering problem template
- Example from the book – hand calculations
- Example from the book – Excel® calculations
- Resources in Canvas

Engineering Problem Solving Method

Given

Find

Known

Assumptions

Solve

Check

Have a great day!