1.1 Course Introduction and Safety

Summary
Students are introduced to the course and its flipped format. Lab safety rules and procedures are presented and a lab safety quiz is administered.

Learning Objectives
After this class, students will be able to:

- Demonstrate safe practices in the lab.
- Demonstrate when and how to properly use personal protective equipment (PPE).
- Identify possible hazards that might arise in the lab and how to remedy them.

Materials
None needed for this class.

Time
80 minutes

Links to Videos
Course Introduction: https://www.youtube.com/watch?v=TZfJTSzGGKg
Power Tool Institute “Power Tool Accidents — They Can Be Prevented”: https://www.youtube.com/watch?v=K__vUd59tdo

Procedure/Pacing
1. Show the Course Introduction video.
2. After the video, discuss individual student responsibility to watch the videos prior to class. Point out that these videos free up time in class for more activities.
3. Discuss rules for general lab safety, including the necessity of wearing PPE at all times in the lab. Discuss how to use the tools and equipment of the lab properly.
4. Administer the safety quiz. Students must pass this quiz with 100% correct prior to entering the lab and the instructor must maintain a record of their having passed.

Resources
Safety Training Worksheet and Test

**Homework**
Assignment 1.2h: What is Engineering?