

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

Utah State Office of Education, CTE Technology and Engineering, Safety Program and Management <http://schools.utah.gov/CTE/tech/Safety-Program-and-Management.aspx>

Developed through a partnership between the University of Utah College of Engineering and Granite School District

Safety Training Worksheet and Test

Homework

Assignment 1.2h: What is Engineering?

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and Granite School District**