



Master Course Syllabus MAC 1000: Machine Shop Safety

Purpose of Document

This document contains important information about this course's objectives. It may be helpful for you to retain a copy for your records, along with the class specific syllabus. This document will be especially helpful if you decide to later change your course of study.

Pikes Peak State College and the Colorado Department of Higher Education have determined that graduates should have a broad range of learning skills as well as discipline related skills. Both types of skills are detailed below.

Course Description

Covers the hazards of a machine shop including health and safety, locating essential safety information from a code or other standard, location and use of safety and emergency equipment, and identifying and applying shop safety procedures.

Credit Hours: 1

Contact Hours: 15 (Lecture)

Required Course Learning Outcomes

1. Identify and apply shop procedures.
2. Follow shop safety practices.
3. Explain the health and safety hazards of machining.
4. Locate essential safety information from codes or other standards.
5. Demonstrate proper use of safety and emergency equipment.
6. Demonstrate proper machining equipment safety inspection procedures.
7. Understand the importance of maintaining a clean and safe work area.

Required Topical Outline

- I. Safety and record keeping
 - A. Follow shop safety practices
 - B. Maintain a clean, safe work area.
 - C. Prepare assigned records.
 - D. Follow assigned instructions to complete work assignments.
 - E. Participate in assigned fabrication projects.
- II. Machine shop safety standards and procedures
 - A. Explain the hazards of machining on health and safety.
 - B. Locate essential safety information from codes or other standards.

- C. Identify and apply shop safety procedures.
- D. Demonstrate proper use of safety and emergency equipment.
- E. Demonstrate proper machining equipment safety inspection procedures.