COCONINO COMMUNITY COLLEGE  
COURSE OUTLINE

Prepared by: Don McCallum                  Aug. 24, 2000  
Revised by: Joe Costion        February 19, 2003  
Revised by: Joe Costion        Fall 2005  
Revised by: D. Ramos         January 31, 2014  
Status: Dual Enrollment Students Only  
Effective: Fall 2014

A. Identification:
1. Subject Area: Machine Shop (MCH)  
2. Course Number: 110  
3. Course Title: Machining Level I  
4. Credit Hours: 3  
5. Course Description: Overview of metal machine practices and shop safety designed to help the student have a better understanding of machine shop procedures. *Course is only available to Dual Enrollment Students. May be taken for S/U credit. Two lecture. Two lab.

B. Course Goals:
Upon completion of this course, the student will be able to demonstrate knowledge of safe machine operation, and machine shop procedures.

C. Course Outcomes: Students will:
1. identify and demonstrate knowledge of machine shop safety procedures & OSHA regulations;  
2. identify different machining procedures;  
3. demonstrate competence in using precision measuring tools;  
4. and demonstrate proper use of machine shop tooling.

D. Course Content:
1. Introduction to machine tool technology.  
4. Layout tools and procedures.  
5. Hand tools and bench work.  
6. Metal cutting procedures.  
7. Drilling and tapping procedures.  
8. Lathes – Introduction.  