MACH 1619: Turning I

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: *.*
Lab Hours/Week: 6
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

In this course, the learner receives hands-on experience in the use and care of the lathe and its accessories. Corequisite: MACH1620 and MACH1621.

B. COURSE EFFECTIVE DATES:  12/12/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Demonstrate proper shop safety using turning machines.
2. Display proper turning set up techniques.
3. Demonstrate proper turning processes.
4. Demonstrate proper usage of turning tools.
5. Apply blueprint reading skills to turning projects.
6. Perform proper maintenance on turning machines.
7. Perform inspection of machined part during turning process.
8. Demonstrate effective problem solving skills.

D. LEARNING OUTCOMES (General)

1. The learner will understand theories and machining operations.
2. The learner will effectively demonstrate machining fundamentals on engine lathes.
3. The learner will demonstrate and inspect lathe projects.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted