MACH 1523: Machine Tool Theory I

A. COURSE DESCRIPTION
   Credits: 2
   Lecture Hours/Week: 2
   Lab Hours/Week: *
   OJT Hours/Week: *
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   This course consists of classroom studies of safety in the shop and on the machines. Also included are studies on the various machines, cutting tools, and a basic study of metallurgy. This course emphasizes practical applications.

B. COURSE EFFECTIVE DATES: 05/17/1999 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Explain program expectations.
   2. Identify different measuring instruments.
   3. Describe basic turning fundamentals.
   4. Describe basic milling fundamentals.
   5. Describe basic cutting tools for turning.
   6. Describe basic cutting tools for milling.

D. LEARNING OUTCOMES (General)
   1. The learner will understand theories and processes of the program’s machinery operations.
   2. The learner will understand theories and processes of the program’s machinery operations.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted