MACH 1627: Milling II

A. COURSE DESCRIPTION

   Credits: 3
   Lecture Hours/Week: *.*
   Lab Hours/Week: 6
   OJT Hours/Week: *.*

   Prerequisites:
   This course requires the following prerequisite
   MACH 1620 - Milling I (Number of Years Valid: 5)

   Corequisites: None
   MnTC Goals: None

   This course is an extension of MACH1620. Prerequisite: MACH1620. Corequisite: MACH1626 and MACH1628.

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

C. OUTLINE OF MAJOR CONTENT AREAS

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

D. LEARNING OUTCOMES (General)

   1. The learner will demonstrate proper knowledge of tool selection as well as proper feeds and speeds.
   2. The learner will demonstrate proper use of milling machines to manufacture parts for given prints.
   3. The learner will demonstrate proper use of milling machines using advanced setup techniques and safety.

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

   None

F. LEARNER OUTCOMES ASSESSMENT

   As noted on course syllabus

G. SPECIAL INFORMATION

   None noted