COMMON COURSE OUTLINE: Course discipline/number/title: PMT 1755: CNC Manual Operations

A. CATALOG DESCRIPTION
   1. Credits: 1
   2. Hours/Week: 1
   3. Prerequisites (Course discipline/number): MATH 1015, CAD 1230, CAD 1050, PMT 1205, PMT 1255
   4. Co-requisites (Course discipline/number): CAD 2000, PMT 1705, PMT 1805
   5. MnTC Goals (if any): NA

This course describes the control features that allow a CNC operator to execute tasks manually.

B. DATE LAST REVISED (Month, year): April, 2009

C. OUTLINE OF MAJOR CONTENT AREAS:
   1. The Role of the Operator
   2. Operator Responsibilities
   3. The Machine and Control Panel
   4. Machine Controls and CRT
   5. Basic CNC Controls
   6. Manual Control Modes
   7. Manual Control Comparisons
   8. CNC Operational Modes
   9. MDI and Single Block Mode
   10. Types of Override
   11. Uses of Overrides
   12. Optional Stop and Block Delete
   13. Proving Out and Dry Running

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
   1. Use the CNC controls to manually execute tasks.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
   1. Online learning
   2. Successful completion of online lessons
   3. Successful completion of online assessments.

G. SPECIAL INFORMATION (if any):
   All PMT courses ending with a 5 (Example: 0005) will be online. Please see link below http://www.toolingu.com/class-300200-cnc-manual-operations.html