COMMON COURSE OUTLINE: Course discipline/number/title: PMT 1905: Blue Print Reading

A. CATALOG DESCRIPTION
1. Credits: 1 (1 credit lecture/ 0 credits lab)
2. Hours/Week: 1 hour lecture/0 hours lab
3. Prerequisites (Course discipline/number): None
4. Co-requisites (Course discipline/number): PMT 1105, PMT 1115, PMT1255, PMT1300
5. MnTC Goals (if any): NA

This course provides an overview of common features found in prints and describes how to properly inspect them and understand blue prints. A key component of this class will be reading shop prints and inspecting finished parts.

B. DATE LAST REVISED (Month, year): March, 2013

C. OUTLINE OF MAJOR CONTENT AREAS:
1. The importance of Reading Prints
2. The Sample Print
3. Common Shop Terminology
4. Angles, Chamfers, and Tapers
5. Identify and read a print with: Angled Features, Hole and Radius Dimensions, Radii and Arc dimensions, Surface Finish Marks, and Internal and External Threads

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Exhibit competency in basic concepts of print reading.
2. Describe basic dimensioning for standard features on a print.
3. Identify the relationship between prints and inspection.
4. Articulate comprehension of reading prints.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
1. Skill evaluation
2. Project evaluation
3. Tests
4. Pre and Post tests

G. RTC CORE OUTCOME(S) ADDRESSED:
- Communication
- Critical Thinking
- Global Awareness/Diversity
- Civic Responsibility
- Personal/Professional Accountability
- Aesthetic Response

H. SPECIAL INFORMATION (if any): None