COMMON COURSE OUTLINE: Course discipline/number/title: PMT 1825: Quality Assurance

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 1705, PMT 1755, PMT 1855, PMT 1900, PMT 1950
5. MnTC Goals (if any): NA

This course identifies how each department and function of a company plays a role in producing quality products for the customer. Focus is placed on the impact quality assurance has on a company’s success.

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

C. OUTLINE OF MAJOR CONTENT AREAS:
1. What is Quality?
2. Definitions of Quality
3. The Importance of Quality
4. Quality Products and Processes
5. External and Internal Customers
6. Quality and Engineering
7. Designing Quality Products
8. Quality and Production
9. Producing Quality Products
10. Quality and Purchasing
11. Quality and Sales
12. Quality Organizations

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Identify the basic concepts of Quality.
2. Demonstrate components of Quality Assurance within a machine shop environment.
3. Describe quality and how it relates to internal company departments.
4. Recognize the relationship between qualities within various departments within a manufacturing environment.
5. Provide Quality products for the customer.

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 ☐ Civic Responsibility
☐ Critical Thinking ☐ Personal/Professional Accountability
☐ Global Awareness/Diversity ☐ Aesthetic Response

H. SPECIAL INFORMATION (if any): None