COMMON COURSE OUTLINE: Course discipline/number/title: AMT 1745: Ignition Lab

A. CATALOG DESCRIPTION
   1. Credits: 2
   2. Hours/Week: 4
   3. Prerequisites (Course discipline/number): None
   4. Co-requisites (Course discipline/number): AMT 1740
   5. MnTC Goals (if any): NA

This course covers the service, diagnosis, and repair of basic ignition systems as well as the necessary maintenance to keep ignition systems in good working order.

B. DATE LAST REVISED (Month, year): February, 2015

C. OUTLINE OF MAJOR CONTENT AREAS:
   1. Inspection and Servicer of ignition Components
   2. Scan Tool/Scope Usage for Ignition System Diagnosis
   3. Repair of Ignition Systems
   4. Ignition Timing/Crank and Cam Relearn Procedures
   5. Maintenance of Ignition Systems

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
   1. Service and maintain basic ignition systems.
   2. Diagnose problems in ignition systems.
   3. Repair and replace parts as needed.
   4. Evaluate ignition systems using various diagnostic tools/equipment.
   5. Operate ignition equipment.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
   1. Shop/lab projects
   2. Lab worksheets /assignments
   3. Individual and team projects

G. RCTC CORE OUTCOME(S) ADDRESSSED:
   ☒Communication       ☐Civic Responsibility
   ☑Critical Thinking   ☐Personal/Professional Accountability
   ☐Global Awareness/Diversity ☐Aesthetic Response

H. SPECIAL INFORMATION (if any): None