



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

**A. CATALOG DESCRIPTION**

1. **Credits:** 2
2. **Hours/Week:** 4
3. **Prerequisites (if any):** AMT 1740 as a prerequisite or concurrent with class.
4. **Co-requisites (if any):** None
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. Recommended Entry Skills/Knowledge: High School Diploma/GED.

**B. DATE LAST REVISED (use current date):** April, 1997

**C. OUTLINE OF MAJOR CONTENT AREAS:**

1. Inspection and Service of Ignition Systems
2. Diagnosis
3. Repair of Ignition Systems
4. Ignition Timing
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. SPECIAL INFORMATION (if any):**

~~\$5.00 per credit lab fee~~