



**COMMON COURSE OUTLINE: Course discipline/number/title: AMT 1810: Engine Repair Theory**

**A. CATALOG DESCRIPTION**

- 1. Credits: 3**
- 2. Hours/Week: 3**
- 3. Prerequisites (if any):** None
- 4. Co-requisites (if any):** None
- 5. MnTC Goals (if any):** NA

This course covers engine design as well as diagnosis, evaluation, repair, and maintenance steps involved in restoring gasoline automotive engines to good running 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. Engine Design and Operation
2. Measuring Tools
3. Upper Engine Repair Methods
4. Lower Engine Repair Methods
5. Final Engine Break-in and Evaluation Steps

**D. LEARNING OUTCOMES (GENERAL):** The student will be able to:

1. Identify and list various engine designs.
2. Describe engine operation.
3. Identify evaluation and performance steps.
4. Describe upper and lower engine repair methods.
5. Describe engine break-in and final evaluation steps.

**E. LEARNING OUTCOMES (MNTC):** NA

**F. METHODS FOR EVALUATION OF STUDENT LEARNING:**

1. Tests
2. Quizzes
3. Assignments
4. Worksheets

**G. SPECIAL INFORMATION (if any):** None