



**COMMON COURSE OUTLINE: Course discipline/number/title: ATM 1725: Service and Electrical Lab**

**A. CATALOG DESCRIPTION**

- 1. Credits: 3**
- 2. Hours/Week: 6**
- 3. Prerequisites (if any):** AMT 1710, AMT 1720 – either prerequisite or concurrent.
- 4. Co-requisites (if any):** None
- 5. MnTC Goals (if any):** NA

This course covers the service, diagnosis and repair methods of general automotive maintenance and the automotive electrical systems including: starting and charging systems and electrical accessories. Recommended Entry Skills/Knowledge: High School Diploma/GED.

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

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

1. General Automotive Maintenance Steps
2. Starting Systems
3. Charging Systems
4. Electrical Accessories
5. Cooling Systems

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

1. Perform maintenance and service steps.
2. Diagnose/Repair cooling systems.
3. Diagnose/Repair starting systems.
4. Diagnose/Repair charging systems.
5. Diagnose/Repair electrical accessories.

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

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

1. Shop projects
2. Lab worksheets/assignments
3. Individual and team assignments

**G. SPECIAL INFORMATION (if any):**

~~\$5.00/ Credit Lab Fee~~