



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~~