



COMMON COURSE OUTLINE: Course discipline/number/title: AMT 2740: Drive Train 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 will cover automotive and light truck clutches, transmission/transaxles, differentials and drivelines. Content includes mechanical, electronic, and hydraulic systems, phasing, alignment, balance, gear ratios, and diagnosis.

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

C. OUTLINE OF MAJOR CONTENT AREAS:

1. Automatic Trans/Transaxle
2. Differentials
3. Clutches
4. Electronic Controls
5. Standard Transmissions
6. Drive Lines
7. Gear Ratios

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

1. Inspect, diagnose, and to repair transmissions.
2. Identify types of transmissions.
3. Describe types of repairs needed.
4. Describe control methods.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:

1. Tests
2. Worksheets

G. SPECIAL INFORMATION (if any): None