



**COMMON COURSE OUTLINE: Course discipline/number/title: AMT 1820: Alignment and Suspension Theory**

**A. CATALOG DESCRIPTION**

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

This course covers suspension design, alignment geometry and wheel and tire factors as well as recommended maintenance steps concerning suspension systems and related components. Recommended Entry Skills/Knowledge: High School Diploma/GED.

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

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

1. Suspension Design and Types
2. Alignment Geometry
3. Wheel and Tire Maintenance
4. Suspension Diagnosis, Adjustment, and Repair Steps

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

1. Identify and describe suspension designs and types.
2. Describe various alignment geometry angles.
3. Describe wheel and tire service and maintenance steps.
4. Describe suspension adjustment and repair steps.

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

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

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

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