



**COMMON COURSE OUTLINE: Course discipline/number/title: AMT 1735: Hydraulic Brakes Lab**

**A. CATALOG DESCRIPTION**

1. Credits: 4
2. Hours/Week: 8
3. Prerequisites (if any): AMT 1730 must be taken as a prerequisite or concurrent class.
4. Co-requisites (if any): None
5. MnTC Goals (if any): NA

This course covers the service, diagnosis and repair of hydraulic brake systems as well as the necessary maintenance to keep brake systems in good working 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. General Inspection and Service
2. Diagnosis of Brake Problems
3. Repair Methods of Hydraulic Brakes
4. Testing of Brake Systems

**D. LEARNING OUTCOMES (GENERAL): NA**

**E. LEARNING OUTCOMES (MNTC):** The student will be able to:

1. Service disc and drum hydraulic brakes.
2. Diagnose problems of hydraulic brakes.
3. Repair and replace parts as needed.
4. Bleed brake systems correctly.
5. Test/Evaluate completed repair work.

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

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

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

\$5.00 per credit lab fee