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

A. CATALOG DESCRIPTION
   1. Credits: 4
   2. Hours/Week: 8
   3. Prerequisites (Course discipline/number): None
   4. Co-requisites (Course discipline/number): AMT 1730
   5. MnTC Goals (if any): NA

   This course covers the service, diagnosis and repair of hydraulic brake systems, ABS brake systems and rotor and drum machining/measuring.

B. DATE LAST REVISED (Month, year): February, 2015

C. OUTLINE OF MAJOR CONTENT AREAS:
   1. General Inspection and Service
   2. Diagnosis of Brake Problems
   3. Repair Methods of Hydraulic Brakes
   4. Diagnosis and Repair Methods of ABS Systems
   5. Scan Tool Usage for Diagnostic Trouble Code Retrieval, Diagnostic Test Procedures in ABS systems

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
   1. Service disc and drum hydraulic brakes.
   2. Diagnose problems of hydraulic brakes including ABS.
   3. Repair and replace parts as needed.
   5. Test/Evaluate completed repair work.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
   1. Shop/Lab projects
   2. Lab worksheets/assignments
   3. Individual and team assignments

G. RCTC CORE OUTCOME(S) ADDRESSED:
   - Communication
   - Critical Thinking
   - Global Awareness/Diversity
   - Civic Responsibility
   - Personal/Professional Accountability
   - Aesthetic Response

H. SPECIAL INFORMATION (if any): None