A. Course Description
   - Credits: 2.00
   - Lecture Hours/Week: 2.00
   - Lab Hours/Week: 0.00
   - OJT Hours/Week: 0
   - Prerequisites: None
   - Corequisites: None
   - MnTC Goals: None

   The student will gain an understanding of the Caterpillar engine and product line with basic fundamentals of the diesel engine.

B. Course Effective Dates: 8/21/17 – Present

C. Outline of Major Content Areas
   - As noted on course syllabus

D. Learning Outcomes
   1. ACERT Engines
   2. CAT electronic controls
   3. Calibrations
   4. Caterpillar ET
   5. Common rail fuel systems
   6. Correct operation of battery starting and charging systems.
   7. Electrical schematics
   8. Electrical systems and components
   9. Heavy equipment brake systems

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment
   - As noted on course syllabus

G. Special Information
None noted