A. **Course Description**
   - **Credits:** 4.00
   - **Lecture Hours/Week:** 2.00
   - **Lab Hours/Week:** 2.00
   - **OJT Hours/Week:** 0
   - **Prerequisites:** None
   - **Corequisites:** None
   - **MnTC Goals:** None

This diesel engine fundamentals course covers components of the on the highway inline six-cylinder diesel engine. The course will focus on engine overhaul, component inspection, tune up, troubleshooting, and engine emission systems. Cummins, Detroit, and Pacer systems will be covered.

B. **Course Effective Dates:** 3/22/98 – Present

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

D. **Learning Outcomes**
   1. Identify diesel engine and emissions after treatment components.
   2. Accurately inspect and measure all components for reuse.
   3. Understand proper tool use and ability to use and read precise measuring tools.
   4. Demonstrate interpersonal and employability skills.
   5. Understand professionalism and safety procedures.

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

F. **Learner Outcomes Assessment**
   - As noted on course syllabus

G. **Special Information**
   - None noted