TRUCK TECHNOLOGY FUNDAMENTALS — HDTT 1100

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 course covers shop procedures and safety in the truck shop such as safety in the use of hand tools, power tools, hoists, jacks, and other equipment used by a heavy duty truck technician. Different types and uses of fasteners, thread repair, and similar procedures will be discussed. Methods of record keeping, repair orders, and the use of repair manuals and related service publications will also be covered. The student will be familiarized with the basic fundamentals of operating heavy trucks. Included will be pre-start and pre-trip inspection procedures, basic operation of the vehicle, and shut-down procedures. Prerequisites: None

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

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

D. Learning Outcomes
   1. Safely operate, move, and path class 7 or 8 trucks.
   2. Demonstrate the safe and proper operation of hand tools and shop equipment.
   3. Identify components and fasteners found on a typical class 7 or 8 highway truck.
   4. Demonstrate the ability to navigate online trade publications and OEM training websites.
   5. Demonstrate and understand professionalism and safety practices.

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

F. Learner Outcomes Assessment
   As noted on course syllabus

G. Special Information
None noted