TRDR 1616: Operations of Commercial Vehicles I

A. COURSE DESCRIPTION

Credits: 4  
Lecture Hours/Week: 1  
Lab Hours/Week: 3  
OJT Hours/Week: *.*  
Prerequisites: None  
Corequisites: None  
MnTC Goals: None  

This course provides knowledge and operation of straight trucks and three axle tractor trailer combinations on a rodeo course and driving range environment. Learners are trained in developing hand, eye, and foot coordination for shifting of 9 and 10 speed transmissions. Learners are also oriented on Minnesota state laws and driving rules pertaining to a commercial motor vehicle, which prepares them for the CDL skills and knowledge test for a Class A license.

B. COURSE EFFECTIVE DATES: 05/17/1999 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Perform a State required pre-trip inspection.  
2. Identify all in cab components.  
3. Demonstrate a safe start procedure.  
4. Perform a smooth clutch engagement.  
5. Demonstrate smooth shifting.  
6. Demonstrate safe backing techniques.  
7. Demonstrate a good tractor and trailer alignment.  
8. Perform a safe coupling.  
9. Perform a safe parking brake check.  
10. Demonstrate safe driving techniques.  
11. Demonstrate a safe service brake application.  
12. Demonstrate a good uncoupling procedure.

D. LEARNING OUTCOMES (General)

1. The learner will familiarize themselves with vehicle and its systems.  
2. The learner will demonstrate ability to start and diagnose any equipment failure.  
3. The learner will demonstrate safe operation. The learner will also be able to couple and uncouple in route inspections and safety checks.  
4. The learner will perform post-trip inspections and calculate fuel efficiency. The learner will also be able to park and secure vehicle.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus
G. SPECIAL INFORMATION

None noted