Alexandria Technical and Community College

TRDR 1617: Operations of Commercial Vehicles II

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: *.*
Lab Hours/Week: 6
OJT Hours/Week: *.*

Prerequisites:
TRDR 1616 - Operations of Commercial Vehicles I (Minimum grade: 2.0 GPA equivalent and Number of Years Valid: 3)

Corequisites: None
MnTC Goals: None

This course is a continuation of TRDR1616. Learners are familiarized with five axle commercial vehicles with a GVWR of 80,000# and lengths of over 65 feet (operating single and double trailers). The student learns to operate an auto shift 10 speed, super 10 speed, 13 speed, and an 18 speed transmission on the range and rodeo course and in real life city and highway traffic. During this course, the learner receives approximately 2,000-2,500 miles of road experience with empty and loaded trailers.

B. COURSE EFFECTIVE DATES: 04/06/1999 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Perform 5-axle pre-trip.
2. Produce Class A permit/all endorsements.
3. Produce DOT physical card.
4. Negative test result from drug test.
5. Produce a license free from serious driving offenses.
6. Demonstrate the ability to drive safely and legally.
7. Demonstrate ability to couple a 5 axle tractor & trailer.
8. Explain proper following distance formula.
10. Perform an air brake leak down check.
11. Demonstrate legal log entry.

D. LEARNING OUTCOMES (General)

1. The learner will identify the difference between 5-axle and 3-axle units. The learner will also be able to demonstrate the difference in the turning radius.
2. The learner will identify and perform shifting while loaded and on city streets and by ways of couple and uncouple doubles.
3. The learner will demonstrate logbook usage, practice safe driving habits, and maintain vehicle between centerline and fog line.

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

None
F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted