COURSE NUMBER & TITLE: CDL 1515: Behind the Wheel Driving
CREDITS: 2 (Lec 0 / Lab 2)
PREREQUISITES: CDL permit, DOT physical, Risk Management Approval

CATALOG DESCRIPTION: Behind the wheel training provides students the hands-on experience needed to operate a semi-truck and trailer. Students will gain behind the wheel experience; drive various routes and in multiple conditions.

OUTLINE OF MAJOR CONTENT AREA:
1. Physical Vehicle Operation
2. Shifting Patterns and Procedures
3. Basic Backing Maneuvers; Safety and Rules
4. Coupling Sequence and Uncoupling Procedure
5. The Importance of Space Management
6. Focusing on the Road Ahead
   a. Visual Search
   b. Speed Management
   c. Night Driving
   d. Skid Control
   e. Recognizing Hazardous Situations
   f. Railroad Crossings
   g. Emergency Maneuvers
   h. Accident Procedures

COURSE GOALS/OBJECTIVES/OUTCOMES:
1. Students will obey the rules and regulations under which the industry operates.
2. Students will master use of engine controls, primary and secondary vehicle controls.
3. Students will start, warm up, cool down and shut off engines.
4. Students will put a rig in motion, stop a rig, back up, and make turns.
5. Students will execute gear shift patterns for several types of transmissions.
6. Students will perform procedures for backing and parking.
7. Students will safely and efficiently couple a tractor with a trailer and the controls to use when coupling or uncoupling a rig.
8. Students will control a safe space on the roadway.
9. Students will recognize conditions such as rain, snow, ice, and mud that reduce traction.
10. Students will utilize vehicle control factors including traction, wheel load, and the force of motion when necessary.
MNTC GOALS AND COMPETENCIES MET:
N/A

HCC COMPETENCIES MET:
Thinking Creatively and Critically
Work Productively and Cooperatively

STUDENT CONTRIBUTIONS:
Students are expected to attend class sessions, and be in an acceptable physical and mental state necessary to safely and legally operate vehicles. Under the influence of no medication or drug, either prescribed by a physician or not. Have adequate rest so reflexes and response time are not compromised. Participate in activities and discussions, listen to and follow directions, complete assignments in a timely fashion, request assistance when needed, and contribute to a productive learning environment. Students should expect to spend two to four hours per week preparing for class.

STUDENT ASSESSMENT SHALL TAKE PLACE USING INSTRUMENTS SELECTED/DEVELOPED BY THE COURSE INSTRUCTOR.

ADDITIONAL INFORMATION: None

Curriculum Committee Approval Date: February 7, 2018

AASC APPROVAL DATE: February 21, 2018
REVIEW DATE: February 2023