**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

**I. GENERAL COURSE INFORMATION**

Course Number: AGRI 1217

Course Title: Commercial Driver’s License - Theory

Credit Hours: 3

Prerequisites: None

Division/Discipline: Workforce Training and Community Education/Crop Protection/Beef Cattle Production/Scale Technician

Course Description: This course provides information necessary to meet Federal Motor Carrier Safety Regulations (FMCSA) for Theory Entry Level Driver Training. Students will understand the components needed for driver/commercial motor vehicle (CMV) interaction, practices required for safe operation of a CMV, and introduces students to high level skills necessary to recognize and handle potential hazards. This course is a pre-requisite for Commercial Driver’s License – Behind The Wheel (BTW). Students successfully completing this course will receive a Barton certificate of completion.

# **II. INSTRUCTOR INFORMATION**

**III. COLLEGE POLICIES**

Students and faculty of Barton Community College constitute a special community engaged in the process of education. The college assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

The College reserves the right to suspend a student for conduct that is detrimental to the College’s educational endeavors as outlined in the College Catalog.

Plagiarism on any academic endeavors at Barton Community College will not be tolerated. Learn the rules of, and avoid instances of, intentional or unintentional plagiarism.

Anyone seeking an accommodation under provisions of the Americans with Disabilities Act should notify Student Support Services. Additional information about academic integrity can be found at the following link: <http://academicintegrity.bartonccc.edu/>.

**IV. COURSE AS VIEWED IN THE TOTAL CURRICULUM**

This course is part of the required curriculum for the Crop Protection, Scales Technician, and Beef Cattle Production Certificate programs and as an elective for A.A.S. Degrees in Agriculture Business Management and Crop Protection. This course also serves as a standalone course for those individuals interested in acquiring a Commercial Driver’s License. This course is not intended for transfer.

**V. ASSESSMENT OF STUDENT LEARNING**

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

Course Outcomes, Competencies, and Supplemental Competencies:

1. Categorize and describe FMCSA regulations, basic CMV instruments, proper vehicle inspection, motion control of the CMV, and the coupling and uncoupling of a combination vehicle.
2. Demonstrate basic knowledge of FMCSA regulations regarding a CMV.
3. List and describe the CMV instruments and controls and their function.
4. Identify, label, and discuss a proper pre-trip, enroute, and post-trip vehicle inspection.
5. Explain basic vehicle control and handling as it applies to motion of a CMV under various road and traffic conditions, shifting and backing techniques, and coupling and /uncoupling procedures of combination vehicles.
6. Describe practices required for safe operation of combination vehicles on highways under various road, weather, and traffic conditions.
   * 1. Identify potential hazards and critical objects visually.
     2. Identify and describe the useful communication skills of a professional driver.
     3. Explain FMCSA regulations related to aspects of distracted driving, such as visual attention, manual control, and cognitive awareness.
     4. Explain the aspects of speed and space management of a CMV in response to various traffic and road conditions.
     5. List and describe factors affecting safe operation of a CMV at night and specific issues presented by extreme driving conditions.
7. Analyze situations to recognize potential hazards and explain procedures needed to handle a CMV when a driver encounters a hazard.
   * 1. Recognize potential hazards to reduce the severity of the hazard and neutralize possible emergency situations.
     2. List and describe causes, avoidance and recovery of skidding and jackknifing.
     3. Explain the potential dangers and safety procedures to utilize railroad-highway grade crossings, federal/state railroad grade crossing regulations, and personnel available to receive notification of unsafe crossings.
     4. Identify and describe combination vehicle systems, the role these systems play in operating a CMV, and how the malfunction of systems impact highway safety and operational efficiency.
     5. Explain the procedure of a roadside inspection and the expected protocol of the department of transportation (DOT) officer and a professional commercial driver.
     6. List routine maintenance procedures and discuss the effects on safe and efficient operation.
8. Identify and describe activities that are not directly related to operating the CMV but increase driver performance.
   * 1. Identify and describe proper cargo securement, cargo covering, and techniques for safe and efficient cargo loading and unloading.
     2. Identify environmental hazards and describe federal, state, county, city, and company environmental regulations.
     3. Categorize the hours-of-service (HOS) requirements and explain the consequences of violating the HOS regulations.
     4. Describe post-crash procedures including personal assessment, notification of authorities, securing the scene, and testing requirements related to controlled substances and alcohol.
     5. Explain the value of effective interpersonal communication techniques/skills to interact with enforcement officials and the impact of violating federal and state regulations.
     6. Explain the whistleblower protection regulations in regards to the employee’s right to question safety practices of an employer without incurring the risk of losing a job or being subject to reprisals stated in 29 CFR part 1978.
     7. Discuss the importance of and requirements for planning routes and trips in regards to the safest route, planning for rest stops, heavy traffic areas, railroad-highway grade crossings, permits, and vehicle size and weight limitations.
     8. Identify the rules applicable to controlled substances and alcohol abuse, DOT medical requirements, and disqualifications.

**VI. INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS**

**VII. TEXTBOOKS AND OTHER REQUIRED MATERIALS**

**VIII. REFERENCES**

**IX. METHODS OF INSTRUCTION AND EVALUATION**

**X. ATTENDANCE REQUIREMENTS**

**XI. COURSE OUTLINE**