



MASTER COURSE OUTLINE

A. TRDR 1105 Proficiency Development of Vehicle Control

B. COURSE DESCRIPTION:

This course allows the students to gain proficiency in the skills learned in TRDR 1100. Students focus on the safe operation of the tractor and trailer. During this course, the students couple a tractor and trailer and operate the entire unit.

(3 Cr – 0 lect, 3 lab)

C. Core Theme: Ethical and Civic Responsibility

D. RIVERLAND INSTITUTIONAL LEARNING OUTCOMES:

This course addresses the following Riverland Institutional Learning Outcome(s):

- ILO 1: critical thinking (*Core Theme Goal 2*)
- ILO 2: awareness of the larger global community (*Core Theme Goal 7 or 8*)
- ILO 3: ethical, engaged citizenship (*Core Theme Goal 9 or Goal 10*)
- ILO 4: communication and collaboration (*Discipline Goal 1 and by any learning outcome(s) involving communication or collaboration*)

E. MAJOR CONTENT AREAS:

- Accident procedures
- Proper uses of mirrors
- Turning vehicle and judging correct wheel position
- Overhead clearance
- Couple and uncouple tractor trailer
- City and highway traffic
- Forward and reverse serpentine procedure
- Backing techniques
- Railroad crossing procedures
- Preventing vehicle rollovers
- Basic shifting techniques
- Basic right and left turns
- Drivers and Carriers (DAC) report

F. GOAL TYPE, OBJECTIVES, AND OUTCOMES:

| <u>GOAL TYPE</u> | <u>OBJECTIVES</u> | <u>OUTCOMES</u> |
|---|--|--|
| <u>Ethical and Civic Responsibility</u> | Students will be able to identify ways to exercise the rights and responsibilities of citizenship. | 1. operate vehicle in a responsible and law-abiding way. |
| <u>CS</u> | demonstrate equipment care. | 1. perform basic tractor-trailer inspections. |
| <u>CS</u> | coordinate transmission shifting. | 1. recognize the type of transmission and its gear pattern. |
| <u>CS</u> | communicate driving intention. | 1. interact safely with other vehicles in traffic. |
| <u>CS</u> | develop and obey safe driving rules and habits. | 1. pass all written and road tests to acquire a Class "B" Commercial Driver's License. |
| <u>CS</u> | develop proficient vehicle control. | 1. continue to improve driving proficiency. |

G. SPECIAL INFORMATION:

This course may require use of the Internet, the submission of electronically prepared documents and the use of a course management software program. Students who have a disability and need accommodations should contact Accessibility Services at the beginning of the semester. This information will be made available in alternative format, such as Braille, large print, or current media, upon request.

H. COURSE CODING INFORMATION: Course Code S/Class Maximum 24; Letter Grade

Revision date: 02/08/11; 11/01/17; 10/03/22

AASC Approval date: 11/21/17; 11/15/22

| *Riverland Community College Disciplines | MnTC Goal Number |
|---|-------------------------|
| Communication (CM) | 1 |
| Natural Sciences (NS) | 3 |
| Mathematics/Logical Reasoning (MA) | 4 |
| History and the Social & Behavioral Sciences (SS) | 5 |
| Humanities and Fine Arts (HU) | 6 |

| **Riverland Community College Core Themes | MnTC Goal Number |
|--|-------------------------|
| Critical Thinking (CT) | 2 |
| Human Diversity (HD) | 7 |
| Global Perspective (GP) | 8 |
| Ethical and Civic Responsibility (EC) | 9 |
| People and the Environment (PE) | 10 |

*These five MnTC Goals have been identified as Riverland Community College Disciplines.

** These five MnTC Goals have been identified as Riverland Community College Core Themes.

NOTE: The Minnesota Transfer Curriculum “10 Goal Areas of Emphasis” are reflected in the five required discipline areas and five core themes noted in the Riverland Community College program of study guide and/or college catalog.

Riverland