



MASTER COURSE OUTLINE

A. TRDR 1100 Introduction to Vehicle Control

B. COURSE DESCRIPTION:

This course introduces students to the world of transportation. Vehicle starting, turning, backing, and stopping are covered. Topics include how things are transported, rules and regulations, safe driving pointers, and starting in motion smoothly. Students begin to develop the skills needed for vehicle control.

(3 Cr – 1 lect, 2 lab)

C. Core Theme: Critical Thinking

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:

- Safe operating procedures
- Driving range requirements
- Tractor – trailer components
- Vehicle inspections by driver and DOT
- Coupling and uncoupling procedures
- Engine operating procedures
- Observation and visual search principles
- Hours of service
- Federal Motor Carrier Safety Administration (FMCSA) regulations
- Trip planning and map reading
- Basics of vehicle starting, turning, backing and stopping
- Driver qualifications
- Vehicle size and weight requirements and limits

F. GOAL TYPE, OBJECTIVES, AND OUTCOMES:

<u>GOAL TYPE</u>	<u>OBJECTIVES</u> Students will be able to	<u>OUTCOMES</u> The student will successfully
<u>**Critical Thinking</u>	gather factual information and apply it to a given problem in a manner that is relevant, clear, comprehensive, and conscious of possible bias in the information selected.	1. demonstrate an ability to problem solve in a variety of driving situations.
<u>CS</u>	demonstrate communication principles for the transportation industry.	1. communicate effectively within the transportation industry.
<u>CS</u>	demonstrate equipment care.	1. perform a complete Department of Transportation inspection.
<u>CS</u>	demonstrate an awareness of transportation industry operations.	1. perform step-by-step shipping and receiving procedures.
<u>CS</u>	identify correct operational safety procedures.	1. perform the correct operational and safety procedures.

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