



## MASTER COURSE OUTLINE

### A. TRDR 1110 Advanced Operating Procedures

### B. COURSE DESCRIPTION:

This course allows the student to gain increased proficiency in coping with highway and traffic environments. Students develop perceptual skill allowing recognition and avoidance of emergency situations through proper handling of the vehicle. Students apply what has been learned in previous courses to “real world” scenarios. Students may be expected to transport a disabled auto to the auto repair shop, or a piece of farm machinery to the repair shop or back to the farm. Extended hours of operation are a large portion of this course in order to provide additional hands-on experience for students.

**(2 Cr – 0 lect, 2 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:

- Maneuver tractor – trailer (under 10,000 pounds)
- Uphill and downhill parks
- Left and right turns in real time traffic
- Use of warning signals
- Following distance and procedures
- Lane positioning
- Hazard perception, reaction, and avoidance
- Additional backing techniques
- Vehicle stops: obstacle, forward and backwards
- Different types of transmissions and their respective shift patterns
- Night driving techniques
- Fatigue and pattern driving techniques
- Drive and cargo securement
- Security and cargo theft

- Hazardous materials endorsement training
- Tanker endorsement training
- Warehouse and dock safety

F. GOAL TYPE, OBJECTIVES, AND OUTCOMES:

| <u>GOAL TYPE</u>                        | <u>OBJECTIVES</u><br>Students will be able to                                                       | <u>OUTCOMES</u><br>The student will successfully                                                                                                                                                           |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Ethical and Civic Responsibility</u> | identify ways to exercise the rights and responsibilities of citizenship.                           | <ol style="list-style-type: none"> <li>1. demonstrate ability to provide safe driving environment.</li> <li>2. demonstrate professional and appropriate choices in different driving scenarios.</li> </ol> |
| <u>CS</u>                               | perform all pre-trip procedures.                                                                    | <ol style="list-style-type: none"> <li>1. demonstrate compliance with Federal Motor Carrier Safety Regulation (FMCSR) pre-trip procedures.</li> </ol>                                                      |
| <u>CS</u>                               | understand how to complete day and night Department of Transportation (D.O.T.) vehicle inspections. | <ol style="list-style-type: none"> <li>1. demonstrate complete day and night daily vehicle inspections in compliance with D.O.T. regulations.</li> </ol>                                                   |
| <u>CS</u>                               | use all safety devices properly.                                                                    | <ol style="list-style-type: none"> <li>1. demonstrate when and how to properly use safety devices.</li> </ol>                                                                                              |
| <u>CS</u>                               | identify tractor-trailer components.                                                                | <ol style="list-style-type: none"> <li>1. inspect tractor-trailer (under 10,000 pounds) components for damage.</li> </ol>                                                                                  |
| <u>CS</u>                               | identify and operate primary and secondary control systems.                                         | <ol style="list-style-type: none"> <li>1. demonstrate proper use of secondary control systems.</li> </ol>                                                                                                  |
| <u>CS</u>                               | develop an adequate level of professional confidence.                                               | <ol style="list-style-type: none"> <li>1. demonstrate professional confidence.</li> </ol>                                                                                                                  |

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

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

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

\*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.