



## MASTER COURSE OUTLINE

A. FIRE 1106 Firefighter II

B. COURSE DESCRIPTION:

This course is designed to enhance the skills necessary to perform basic duties of firefighting, including thought processes used to decide on appropriate operations. This includes specialized rescue, building construction and fire cause determination. Upon successful completion, participants are eligible for the Minnesota State Fire Certification Board exam. Prerequisite: A grade of C or higher in ENGL 0960 or appropriate placement score and concurrent enrollment in or completion of FIRE 1100.  
**(2 Cr – 2 lect, 0 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:

- Incident command system
- Vehicle rescue and extrication
- Assist special rescue teams
- Fire detection, protection, and suppression systems
- Fire cause determination

F. GOAL TYPES, OBJECTIVES, AND OUTCOMES:

| <u>GOAL</u>                | <u>OBJECTIVES</u>   | <u>OUTCOMES</u>   |
|----------------------------|---|---|
| * <u>Critical Thinking</u> | <b>Students will be able to</b><br>gather factual information and apply it to a given problem in a manner that is relevant, | <b>The student will successfully</b><br>1. describe the characteristics of the incident command system. |

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|           | clear, comprehensive, and conscious of possible bias in the information selected.  | 2. demonstrate operating within the incident command system such as assuming and transferring command.   |
| <u>CS</u> | understand the fire department's role at a vehicle accident, points of strength and weakness in auto body construction, dangers associated with vehicle components and systems, the uses and limitations of hand and power extrication equipment, and safety procedures when using various types of extrication equipment. | <ol style="list-style-type: none"> <li>1. describe process of scene size-up at a motor vehicle crash.</li> <li>2. demonstrate vehicle stabilization.</li> <li>3. demonstrate gaining access to a vehicle following a motor vehicle crash.</li> <li>4. demonstrate the ability to operate hand and power tools used for forcible entry and rescue.</li> </ol> |
| <u>CS</u> | understand the firefighter's role at a technical rescue operation, the hazards associated with technical rescue operations, types and uses for rescue tools, and rescue practices and goals.   | <ol style="list-style-type: none"> <li>1. describe the general procedures at a special rescue scene.</li> <li>2. describe how to safely approach various types of rescue incidents.</li> <li>3. demonstrate the ability to identify and retrieve various types of rescue tools.</li> </ol>   |
| <u>CS</u> | understand operations at properties protected with automatic sprinklers, how to stop the flow of water from an automatic sprinkler head, and identification of the main control valve on an automatic sprinkler system.  | <ol style="list-style-type: none"> <li>1. describe the basic components and functions of a fire alarm system.</li> <li>2. describe the operation and application of various types of automatic sprinkler systems.</li> <li>3. describe the hazards that specialized extinguishing systems can pose to responding firefighters.</li> </ol>                    |
| <u>CS</u> | understand methods to assess origin and cause, types of evidence, means to protect various types of evidence, and the effects and problems associated with removing property or evidence from the scene.   | <ol style="list-style-type: none"> <li>1. explain the importance of protecting a fire scene.</li> <li>2. describe the observations that firefighters should make during fire-ground operations.</li> <li>3. describe techniques for preserving fire-cause evidence.</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 U/ Customer Driven; Class Maximum 20; Letter Grade

Revision date: 10/01/13; 03/05/24  
 AASC Approval date: 10/15/13; 04/16/24

\*These five MnTC Goals have been identified as Riverland Community College Core Themes. Every course in the Riverland Community College curriculum shall meet outcomes from one of these themes.

\*\*These five MnTC Goals have been identified as Riverland Community College Disciplines. Riverland’s MnTC courses also shall meet outcomes from a Discipline Area.

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.

| <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>               |

| <b>**Riverland Community College Discipline Areas</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>                |