



MASTER COURSE OUTLINE

A. EMER 1210 Emergency Medical Care/First Responder

B. COURSE DESCRIPTION:

This course fulfills Minnesota Emergency Medical Services Regulatory Board (EMSRB) requirements for First Responder and is recognized by the Police Officers Standards and Training (POST) for the state of Minnesota. Care of the sick and injured prior to Emergency Medical Service (EMS) arrival, cardiopulmonary resuscitation (CPR)/automated external defibrillation (A.E.D.), triage, use of emergency care equipment and Patient Disentanglement are included. Upon successful completion, students may be recognized as a Minnesota First Responder.

(3 Cr – 2 lect, 1 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:

- Introduction to EMS system
- Legal and ethical issues
- Well-being of the first-responder
- Human body
- Lifting and moving patients
- Airway
- Patient assessment medical
- Patient assessment/trauma
- CPR/A.E.D.
- Medical emergencies
- Bleeding and soft tissue injuries
- Muscle and bone injuries
- Splinting, long backboard/ kinetic energy defeat device (KEDD)
- Bandaging
- Childbirth

- Infants and children
- Gaining access and simple triage and rapid treatment (START)

F. GOAL TYPES, OBJECTIVES, AND OUTCOMES:

<u>GOAL</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 relevant, clear, comprehensive, and conscious of possible bias in the information selected.	1. demonstrate patient assessment techniques for medical and trauma patients.
<u>CS</u>	recognize and establish need for care.	1. manage victims with practical exercises in patient care.
<u>CS</u>	understand the chain of survival.	1. identify when it is necessary to contact outside agencies to obtain emergency medical care.
<u>CS</u>	recognize the symptoms of a heart attack.	1. identify differences between heart attack and stroke and provide essential care.
<u>CS</u>	recognize cardiac arrest and the need for defibrillation.	1. demonstrate proficiency in cardiac arrest management and defibrillation through practical exercises and written exams.
<u>CS</u>	understand the need for airway adjuncts and oxygenation.	1. demonstrate proficiency in airway management utilizing oxygen, nasal airways, oral airway, King airway, and non-rebreather masks.
<u>CS</u>	understand bandaging and splinting.	1. demonstrate bandaging and splinting with gauze bandages, extremity splints, long backboard and seated spinal immobilization.
<u>CS</u>	understand need for care of pregnant patient.	1. identify ways to assist pregnant patient with immanent childbirth.
<u>CS</u>	recognize and assist with basic medication use.	1. identify methods of assisting patient with application of nitroglycerin for heart attack. 2. identify methods of assisting patient with application of oral glucose for diabetic hypoglycemia.
<u>CS</u>	demonstrate proficiencies in extrication.	1. identify methods of extricating victims of trauma from motorized vehicles utilizing spinal immobilization techniques.

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 B/Class Maximum 24; Letter Grade

Revision date: 03/03/11; 03/05/24

AASC Approval date: 03/22/11; 03/19/24

*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.

*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

**Riverland Community College Discipline Areas	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