

# MESABI RANGE COLLEGE

## Course Outline

**Course Title:** Emergency Medical Responder (EMR)  
**Semester Course Prefix and Number:** EMSV 1658  
**Old Quarter Course Prefix and Number:** HLTH 117

**Submitted By:** Laura Korpi  
**Approval Date:**  
**Revision Date:** February 2015

**Number of Credits:** 3  
**Semester(s) Offered:** All  
**Class Size:** 20  
Negotiated by AASC on:  
(date)

**Number of Lecture Credits:** 2  
**Number of Lab Credits:** 1      **Number of Lab Hours:** 2  
**Number of Studio/Demonstration/Internship Credits:**

### Course Purpose Code:

- 0 – Developmental Courses
- 1 – Non-transferable
- 2 – Technical course related to career programs
- 3 – College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
- 4 – Other college course not considered a part of MNTC (e.g. computer science, health, physical education)
- 5 – Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.
- 9 – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

**Catalog Description:** The Emergency Medical Responder course educates participants to be a part of the nation's Emergency Medical System. The EMR course is designed to train volunteers and professionals to deal with trauma and medical emergencies in the field of emergency medicine. Emphasis includes assessing the scene and preventing further harm, performing patient assessments, following protocols for equipment use, and working within the established EMS system to access medical care. EMR Certification through the EMSRB requires the ability to lift and carry (with a partner) up to 225 lb., skill test competencies and 70% passing on the written final.

### Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): Age 16 when testing. Anyone with a felony record needs to have clearance to test and be certified through the EMSRB. CPR Certification is included within the course: AHA BLS Healthcare Provider.

Reading Prerequisite:

Composition Prerequisite:

Mathematics Prerequisite:

**Career Programs and Transfer Majors Accessing this Course:** Law Enforcement, Park & Wilderness, Physical Education, Athletic Training, Aviation and Fire and Rescue Service.

### Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:

(Notes: No more than two goals may be met by any one course. AASC review and the Chief Academic Officer's approval are required.)

- |  |  |
|--|--|
| 0. <input checked="" type="checkbox"/> None                                | 6. <input type="checkbox"/> The Humanities and Fine Arts     |
| 1. <input type="checkbox"/> Communications                                 | 7. <input type="checkbox"/> Human Diversity                  |
| 2. <input type="checkbox"/> Critical Thinking                              | 8. <input type="checkbox"/> Global Perspectives              |
| 3. <input type="checkbox"/> Natural Sciences                               | 9. <input type="checkbox"/> Ethical and Civic Responsibility |
| 4. <input type="checkbox"/> Mathematical/Logical Reasoning                 | 10. <input type="checkbox"/> People and the Environment      |
| 5. <input type="checkbox"/> History and the Social and Behavioral Sciences |  |

**Learning Outcomes:** (including any relevant competencies listed in the Minnesota Transfer Curriculum)

Upon completion of this course, the student will be able to:

1. Explain the role of the Emergency Medical Responder within the EMS system including safety, well-being, medical oversight and legal and ethical issues.
2. Describe basic airway anatomy & physiology and be able to treat airway emergencies.
3. Perform assessment techniques to evaluate a scene for hazards and perform a patient assessment.
4. Perform accurate patient assessments, treat for life-threatening conditions, and learn skills such as measuring vital signs, documentation, and communication.
5. Demonstrate knowledge and skills in performing cardio-pulmonary resuscitation.
6. Discuss and demonstrate the recognition and management of general medical complaints as well as trauma related injuries.
7. Describe medical conditions and injury patterns that are common in infants and children as well as the differences between treating adults and pediatric patients.
8. Provide care for obstetric/gynecological emergencies along with infant and children emergencies.
9. Describe and demonstrate how to function in the out-of-hospital environment in dealing with extrication and rescue operations and learn basic triage and information on hazardous materials and mass casualty situations.

**Student Assessment Methods:**

1. Identifying "cause and effect" mechanisms
2. Developing questions, interviewing
3. Communication with mock patients, bystanders, EMS team, EMS system
4. Situational analysis, prioritizing, decision making
5. Review of procedures and discussion of how to improve them
6. Identifying and recalling major concepts and facts through oral and written questioning

**Use of Instructional Technology:** (includes software, interactive video and other instructional technologies): Powerpoint presentations, interactive online activities, game show-style competitions, D2L exams and assignments and training videos approved by the EMSRB.

**Additional Special Information:** (special fees, directives on hazardous materials, etc.)  
Special fees include textbooks and CPR card.

**Transfer Information:** (Please list colleges/majors that accept this course in transfer.)

**Affiliated Mesabi Range College Courses and Programs:**

**Approvals:**

Body	Representative Signatures	Date
Faculty Association		
Academic Affairs Standards Committee		
Chief Academic Officer		

**Distribution:** Original – Instructional Services  
**Copies:** Transfer Specialist, Originating Faculty Member, Records  
**Revised:** December 2012