MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

Faculty is required to have the outline submitted to the Academic Affairs Office. The course outline is the
form used for approval of new courses by the College wide Curriculum Committee.

DEPT: EMS                          COURSE NUMBER: EMS 1110

NUMBER OF CREDITS: 2 Credits (1.5 lect/pres, .5 lab, 0 other)

COURSE TITLE: Emergency Medical Responder

CATALOG DESCRIPTION: Provides students with a foundation in emergency medical care for those who are
apt to be the first persons responding to an emergency. In defining course scope and emphasis, it was decided that
students should possess the same knowledge of patient care as an EMT, but not the same equipment and level of
skills. While emergency care is not likely to be the EMRs primary responsibility in the community, this
individual can play an active role in the communities’ emergency medical services system. As the first person at
the emergency scene, the EMR must be completely knowledgeable about basic principles of emergency medical
care; and must know what should, as well as what should not be done. The Emergency Medical Responder
course follows the American Heart Association’s BLS CPR for Healthcare Provider standards and meets the
curriculum requirements set by the EMS Regulatory Board, National Registry and DOT standards.

AUDIENCE: Students interested in being certified as an Emergency Medical Responder or looking for
technical electives in the healthcare field.

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
Area: by meeting the following competencies:

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: None

LENGTH OF COURSE: 48 hours

THIS COURSE IS USUALLY OFFERED:
Every other year ☐  fall ☑  spring ☑  summer ☐  undetermined ☑

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT: The academic objectives of this course are as follows:
   a. The focus of this course is to provide lectures, outside study and other assignments, classroom
demonstrations and practical scenario exercises.
   b. This will demonstrate the use of emergency equipment, assessment, and care of trauma and
medical emergencies relative to the Emergency Medical Responder. The curriculum content
will be based on the most current standards set by the Department of Transportation.

2) THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills
through:
   a. The student will be able to demonstrate problem solving skills using patient assessment
scenarios, and the virtual patient encounter exercises to evaluate and determine and deliver
best patient care.
3) COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:

   a. The student will be expected to communicate verbally and in writing (documentation on run sheets) regarding the patient assessment and ongoing needs.
   b. Each student will interact with discussions to enforce knowledge and application of the course material assigned.

4) HUMAN DIVERSITY: This course will help students recognize, understand, and appreciate human diversity through:

   a. Understanding the roles of the EMR and their obligations to promote selfless assistance to their patients in their time of need.
   b. Disregarding the personal thoughts and beliefs of the patient and their life styles and situations.

TOPICS TO BE COVERED: Modules presented include: (1) Foundations to Emergency Medical Services (2) Airway Management and Ventilation, (3) Patient Assessment (Scene size up, Primary Assessment, Vital Signs and Sample History, Trauma and Medical Patient - Critical Thinking and Decision Making, Communication/Documentation) (4) Special Populations (5) EMS Operations. Including comprehension, application and psychomotor skills outlined by the current educational standards.

Additional Expected Course Requirements:
All students must maintain 90% attendance and successfully completion of this course with a grade of "C" or higher per EMSRB guidelines. The student will need a passing score on the state skills exam, certification exam, complete the FEMA Independent Study courses: IS-700.a and IS-100.b and have cleared the EMSRB state back ground check to obtain state certification for a two year period.

LIST OF EXPECTED COURSE OUTCOMES:
• Define key terms used in the Emergency Medical Services and demonstrate the importance of proper use of medical terminology and EMS acronyms.
• Apply fundamental knowledge of the EMS system, safety and well-being of the EMR, medical/legal and ethical issues to the provision of Emergency Care.
• Define the EMR role/responsibilities of emergency medicine.
• Describe the essential elements for safely lifting/moving patients in emergency and non-emergency situations.
• Demonstrate knowledge of fundamentals of anatomy and physiology of the body systems in prehospital setting.
• Describe the physical, physiological and typical psychosocial characteristics including normal vitas signs of all age groups throughout the development of the life span.
• Describe the essential elements for airway management.
• Perform thorough assessment of patient’s airway and breathing.
• Perform appropriate oxygen therapy in the prehospital setting.
• Describe the essential elements for safe and efficient response to the scene of a trauma and medical emergency.
• Demonstrate thorough initial and primary assessments for signs and symptoms of a medical and trauma patient in the emergency setting.
• Identify the vital signs used in prehospital setting and demonstrate proper assessment of these vital signs.
• Integrate assessment and monitoring of vital signs into the patient assessment process according to the patient’s condition and the situation.
• Demonstrate critical thinking and decision making skills when providing emergency care in the prehospital setting.
• Demonstrate thorough secondary, rapid and ongoing assessments for signs and symptoms of a medical and trauma patient in the emergency setting.
• Illustrate effective communication and documentation in patient care reports, additional EMS systems and transporting care to appropriate EMS providers.
• Applies the fundamental knowledge of the medications that the EMR may assist with or administer to a patient during an emergency in the prehospital setting.
• Applies the fundamental knowledge to provide emergency basic care based on the assessment findings of the chronically or acutely ill patient.
• Differentiates between adequate and inadequate breathing and applies the appropriate airway management during respiratory emergencies in the prehospital setting.
• Identify signs and symptoms for acute and chronic cardiac emergencies and demonstrates the appropriate treatment for these emergencies in the prehospital setting.
• Identify signs and symptoms for diabetic emergencies and altered mental status and demonstrates the appropriate treatment for these emergencies in the prehospital setting.
• Identify signs and symptoms for allergic reactions, behavioral and psychiatric emergencies and demonstrates the appropriate treatment for these emergencies in the prehospital setting.
• Recognizes the signs and symptoms for poisoning and overdose emergencies and demonstrates the appropriate treatment for these emergencies in the prehospital setting.
• Recognizes the signs and symptoms for stroke and cardiac emergencies and demonstrates the appropriate treatment for these emergencies in the prehospital setting.
• Recognizes the signs and symptoms for hematologic and renal emergencies and demonstrates the appropriate treatment for these emergencies in the prehospital setting.
• Applies fundamental knowledge of causes pathophysiology and management of shock respiratory failure or arrest, cardiac failure or arrest and post resuscitation management.
• Applies fundamental knowledge to provide emergency care and transportation based on assessment findings for an acutely injured patient.
• Differentiates the various musculoskeletal injuries and illustrates appropriate patient care in the prehospital setting.
• Recognizes signs and symptoms of internal and external bleeding and shock.
• Demonstrates appropriate treatment of internal and external bleeding and shock in the prehospital setting.
• Identify various soft tissue traumatic injuries.
• Demonstrates appropriate treatment of soft tissue traumatic injuries in the prehospital setting.
• Identify abdominal injuries.
• Demonstrates appropriate treatment of abdominal injuries in the prehospital setting.
• Recognize environmental emergencies.
• Demonstrates appropriate treatment of environmental emergencies in the prehospital setting.
• Applies fundamental knowledge to provide basic emergency care and transportation during prehospital childbirth emergencies
• Apply fundamental knowledge of pediatric emergencies.
• Apply fundamental knowledge of geriatric emergencies and patients with special considerations.
• Apply fundamental knowledge of EMS Operations, highway safety, patient extrication, hazardous materials, multiple-casualty incidents, incident management and EMS response to terrorism.
LEARNING/TEACHING TECHNIQUES used in the course are:

- Collaborative Learning
- Student Presentations
- Creative Projects
- Lecture
- Demonstrations
- Lab
- Problem Solving
- Interactive Lectures
- Individual Coaching
- Films/Videos/Slides
- Other (describe below)
- Online interactive activities and virtual patient care projects

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

- Reading
- Oral Presentations
- Textbook Problems
- Group Problems
- Other (describe below)
- Tests
- Worksheets
- Papers
- Term Paper
- Individual Projects
- Collaborative Projects
- Portfolio

EXPECTED STUDENT LEARNING OUTCOMES:
Students will master the fundamentals of Emergency Medical Responder completed the certification requirements for American Heart Association BLS CPR at the healthcare provider level and will have met the expectations of the Minnesota EMS Regulatory Board.

All information is subject to revision

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or via your preferred Telecommunications Relay Service.

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