

MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title: Paramedicine I
Semester Course Prefix and Number: EMT 1120
Old Quarter Course Prefix and Number:

Submitted By:
Approval Date:
Revision Date:

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

Number of Lecture Credits: 3
Number of Lab Credits: 0
Number of Lab Hours:
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:

At the completion of this course, the paramedicine student will understand the roles and responsibilities of a paramedic within an EMS system, apply the basic concepts of development, path physiology and pharmacology to assessment and management of emergency patients, and communicate effectively with patients. Additionally the paramedicine student will be able to take proper history and perform comprehensive physical exam on any patient, communicate the findings to others, integrate path physiological principles and assessment findings to formulate a field impression and understand how to implement the treatment plan for the trauma patient and safely manage the scene of an emergency.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): Current EMT-B license or certification and instructor approval
Reading Prerequisite:
Composition Prerequisite:
Mathematics Prerequisite:

Career Programs and Transfer Majors Accessing this Course:

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. Curriculum Committee review and the Chief Academic Officer's approval are required.)

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|--|--|
| 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:

- Understand his or her roles and responsibilities with an EMS system, and how these roles and responsibilities differ from other levels of providers
- Understand and value the importance of personal wellness in EMS and serve as a healthy role-model for peers
- Be able to integrate the implementation of primary injury prevention activities as an effective way to reduce death, disabilities and health care costs
- Understand the legal issues that impact decisions made in the out-of-hospital environment
- Understand the role that ethics plays in decision making in the out-of-hospital environment
- Be able to apply the general concepts of path physiology for the assessment and management of emergency patients
- Be able to integrate the principles of therapeutic communication to effectively communicate with any patient while providing care
- Be able to integrate the physiological, psychological, and sociological changes throughout human development with assessment and communication strategies for patients of all ages
- Be able to use the appropriate techniques to obtain a medical history from a patient
- Be able to integrate the principles of history taking and techniques of physical exam to perform a patient assessment
- Be able to apply a process of clinical decision making to use the assessment findings to help form a field impression
- Be able to integrate the principles of kinematics to enhance the patient assessment and predict the likelihood of injuries based on the patient's mechanism of injury
- Be able to integrate the path physiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with shock or hemorrhage
- Be able to integrate path physiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with soft tissue trauma
- Be able to integrate path physiological principles and the assessment findings to formulate a field impression and implement the management plan for the patient with a burn injury
- Be able to integrate path physiological principles and the assessment findings to formulate a field impression and implement a treatment plan for the trauma patient with a suspected head injury
- Be able to integrate path physiological principles and the assessment findings to formulate a field impression and implement a treatment plan for a patient with a suspected spinal injury
- Be able to integrate path physiological principles and the assessment findings to formulate a field impression and implement a treatment plan for a patient with a thoracic injury
- Be able to integrate path physiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with suspected abdominal trauma
- Be able to integrate path physiological principles and the assessment findings to formulate a field impression and implement the treatment plan for the patient with a musculoskeletal injury

Student Assessment Methods:

Standard examinations and quizzes

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):

Appropriate paramedic instructional materials

Additional Special Information: (special fees, directives on hazardous materials, etc.)

Lab Fees for entire course

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

Course Outline Revision History:

The focus of this course is to understand the roles and responsibilities of a Paramedic within an EMS system.

Approvals:

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

Distribution: Original – Instructional Services
Copies: Transfer Specialist, Originating Faculty Member, Records
Revised: March 2010