

# Inver Hills Community College

## EMS 1101: Emergency Medical Technician

### A. COURSE DESCRIPTION

Credits: 6

Lecture Hours/Week: 6

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: EMS 1102 and EMS 1102

MnTC Goals: None

Provides a foundation in emergency medical care. The course is designed to teach emergency care and transportation of patients who access the emergency medical system. Students will develop skills in the use of and care of all basic emergency equipment. The course includes topics such as patient assessment, trauma management, recognition and care of heart disease, respiratory problems and other medical emergencies. Emergency Medical Technicians perform interventions with the basic equipment typically found in emergency care settings. This course consists of lecture, skills practice and clinical experience at a local hospital and/or ambulance service. This course is approved by the Minnesota Emergency Medical Services Regulatory Board. Participants who successfully complete the course will be eligible to take the National Registry of EMT's practical and written examinations for State and National Certification as an Emergency Medical Technician. To complete the requirements of the course students will need to receive a criminal background clearance. Please refer to the Criminal Background section of the catalog for more information on the criminal background study.

Notice: If you have been arrested, charged or convicted of any criminal offense, you should investigate the impact that the arrest, charge or conviction may have on your chances of employment in the field you intend to study or on your chances to obtain federal, state, and other higher education financial aid.

**B. COURSE EFFECTIVE DATES:** 08/22/2011 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Preparatory: 3%
2. Anatomy and Physiology: 3%
3. Medical Terminology: 2%
4. Airway Management: 12%
5. Assessment: 12%
6. Clinical Behavior and Judgement: 8%
7. EMS Operations: 3%
8. Life Span Development: 2%
9. Medicine: 12%
10. Pathophysiology: 10%
11. Pharmacology: 6%
12. Public Health: 2%
13. Shock and Resuscitation: 7%
14. Special Patient Populations: 8%
15. Trauma: 10%

#### **D. LEARNING OUTCOMES (General)**

1. Demonstrate an understanding of the role and responsibilities of a an EMT
2. Relate the medical/legal and ethical issues that face the EMT
3. Identify basic structures of the human anatomy
4. Demonstrate initial, primary, secondary and ongoing patient assessments
5. Recite medications that an EMT may administer and their indications, actions, dosages, contraindications and side effects
6. Formulate a baic life support level treatment plan for out of hospital patients
7. State the procedures for reporting child abuse
8. Explain the aspects of ambulance operations
9. Explore advanced airway management
10. Describe basic human physiology
11. Analyze how disease interrupts normal physiological processes
12. Compare the baseline vital signs and obtain patient history
13. Demonstrate lifting and moving injured patients
14. Explain airway control and management
15. Describe methodology for patient assessment

#### **E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

#### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

#### **G. SPECIAL INFORMATION**

None noted