Inver Hills Community College

EMS 1130: Advanced Emergency Medical Technician

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 4

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Teaches emergency care and transportation of patients who access the emergency medical system. Students will further develop skills in the use of and care of all basic emergency equipment and selected advanced equipment and procedures. The course includes topics such as patient assessment, trauma management, recognition and care of heart disease, respiratory problems and other medical emergencies. Advanced Emergency Medical Technicians perform interventions within the scope of practice determined by the Minnesota Emergency Medical Services Regulatory Board (EMSRB). Participants who successfully complete the course will be eligible to take the National Registry of EMTs practical and written examinations for State and National Certification as an Advanced Emergency Medical Technician. Prerequisites: Current, or eligibility for, certification as an EMT in Minnesota; Current certification in CPR at the Healthcare Provider level or Equivalent. Corequisite: EMS 1131

B. COURSE EFFECTIVE DATES: 08/27/2012 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Airway, Respiratory, and Oxygenation - 12%
2. Anatomy and Physiology - 3%
3. EMS Research - 1%
4. Ethics - 3%
5. Life Span - 2%
6. Medical Emergencies - 24%
7. Medical Terminology - 2%
8. Pathophysiology - 10%
9. Patient Assessment - 10%
10. Public Health - 1%
11. Shock and Resuscitation - 5%
12. Special Patient Populations - 12%
13. Trauma - 12%
14. Workforce Safety and Wellness - 3%

D. LEARNING OUTCOMES (General)

1. Describe methodology for patient assessment.
2. Explain how crystalloid fluid infusion affects circulating blood volume.
3. Demonstrate an understanding of the role and responsibilities of an AEMT.
4. Describe human anatomy and physiology.
5. Determine a differential diagnosis based on assessment findings.
6. Recite medications that an AEMT may administer and their indications, actions, dosages, contraindications and side effects.
7. Demonstrate lifting and moving injured patients.
8. Analyze how disease interupts normal physiological processes.
9. Demonstrate initial, primary, secondary and ongoing patient assessments.
10. Explain basic and advanced airway control and management.
11. Formulate an intermediate life support level treatment plan for out of hospital patients.
12. Explain the aspects of ambulance operations.
13. State the procedures for reporting child abuse.
14. Relate the medical/legal and ethical issues that face the AEMT.
15. Explore advanced airway management.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted