Inver Hills Community College

EMS 2440: Trauma Management

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Focuses on the pathophysiology of shock and the kinematics of trauma. An epidemiological approach will be used to show the effects of traumatic injuries on the human body and its systems. Heat and cold emergencies will also be reviewed. This course will utilize case study review to emphasize total patient care in a traumatic situation. Prerequisites: Acceptance into the Paramedic program or permission of instructor.

B. COURSE EFFECTIVE DATES: 08/26/2013 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Advanced airways: 10%
2. Fluid resuscitation and MAST: 10%
3. Trauma patient assessment
   Advanced airways
   Head and neck trauma
   Thoracic and spinal trauma
   Abdominal trauma
   Extremity trauma
   Bleeding control and management of shock
   Thermal and chemical burns
   Stabilization and transport of the traumatized patient

D. LEARNING OUTCOMES (General)

1. Explain the pathophysiology of pneumothorax, cardiac tamponade, airway emergencies and burns.
2. Analyze complex signs and symptoms and identify potential differential diagnoses in traumatic emergencies.
   Explain the pathophysiology of pneumothorax, cardiac tamponade, airway emergencies and burns.
   Identify the need and describe performance of the following procedures: Needle decompression of the chest, pericardiocentesis, surgical airways, and endotracheal intubation.
   Review current research literature and discuss controversial issues in trauma.
   Apply severity scales such as the Glasgow Coma Scale (GCS) and the ¿rule of nines.¿

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted