Inver Hills Community College

EMS 2440: Shock and Trauma

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 Core Program or permission of instructor.

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Abdominal trauma: 5%
2. Advanced airways: 10%
3. Thermal, chemical and electrical burns: 10%
4. Chest trauma and decompression: 5%
5. Diving emergencies: 5%
6. Extremity trauma: 5%
7. Fluid resuscitation and MAST: 10%
8. Fluids and shock: 10%
9. Head trauma: 10%
10. Helmet removal: 5%; Hypothermia: 5%; Drowning: 5%; Penetrating trauma: 5%; Spine trauma: 5%; Sports injuries: 5%

D. LEARNING OUTCOMES (General)

1. Analyze complex signs and symptoms and identify potential differential diagnoses in traumatic emergencies.
2. Explain the pathophysiology of pneumothorax, cardiac tamponade, airway emergencies and burns.
3. Identify the need and describe performance of the following procedures: Needle decompression of the chest, Pericardialcentesis, Surgical airways, Endotracheal Intubation, Apply severity scales such as the Glascow Coma Scale and the "Rule of Nines"
4. Review current research literature and discuss controversial issues in trauma

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted