EASTERN ARIZONA COLLEGE
Vehicular Extrication and Trauma Care

Course Design
2013-2014

Course Information
Division: Allied Health
Course Number: EMT 170
Title: Vehicular Extrication and Trauma Care
Credits: 0.5
Developed by: Mark Kempton
Lecture/Lab Ratio: 0.5 Lecture/0 Lab
Transfer Status:

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Activity Course: No
CIP Code: 51.0904
Assessment Mode: Portfolio
Semester Taught: Upon Request
GE Category: None
Separate Lab: No
Awareness Course: No
Intensive Writing Course: No

Prerequisites
None

Description
This course provides a review, as well as some new insights into vehicular extraction and providing patient care to the trauma patient. This course is interactive and designed to challenge the participant in the areas of knowledge base, decision-making, and application of skills.

Supplies
None
Competencies and Performance Standards

1. Define shock and the shock cycle
   
   **Learning objectives**
   
   *What you will learn as you master the competency:*
   
   a. Describe the effects of shock on the body’s systems.
   
   b. Identify the signs and symptoms of shock.

   **Performance Standards**
   
   *Competence will be demonstrated:*
   
   o By demonstration.
   
   o In completion of tests and quizzes.

   **Criteria - Performance will be satisfactory when:**
   
   o Learner can describe the effects of shock on the body’s systems.
   
   o Learner identifies the signs and symptoms of shock.

2. Define care for accident patients.

   **Learning objectives**
   
   *What you will learn as you master the competency:*
   
   a. Define the four mechanisms of injury due to motion.
   
   b. Demonstrate, at a task specific level, airway interventions for a trauma patient.
   
   c. Demonstrate, at a task specific level, circulatory status intervention for a trauma patient.
   
   d. Demonstrate, at a task specific level, cervical-spinal intervention for a trauma patient.
   
   e. Discuss the special considerations involved with trauma patients with burns.
   
   f. Discuss the special considerations involved with traumatic pediatric patients.
   
   g. Discuss the special considerations involved with traumatic geriatric patients.
   
   h. Discuss the special considerations involved with traumatic OB patients.
   
   i. Discuss the special considerations involved with patients under the influence of alcohol or drugs.

   **Performance Standards**
   
   *Competence will be demonstrated:*
   
   o By demonstration.
   
   o In completion of tests and quizzes.

   **Criteria - Performance will be satisfactory when:**
   
   o Learner defines the four mechanisms of injury due to motion.
   
   o Learner demonstrates, at a task specific level, airway interventions for a trauma patient.
   
   o Learner demonstrates, at a task specific level, circulatory status intervention for a trauma patient.
   
   o Learner demonstrates, at a task specific level, cervical-spinal intervention for a trauma patient.
   
   o Learner can discuss the special considerations involved with trauma patients with burns.
   
   o Learner can discuss the special considerations involved with traumatic pediatric patients.
   
   o Learner can discuss the special considerations involved with traumatic geriatric patients.
   
   o Learner can discuss the special considerations involved with traumatic OB patients.
3. Discuss the steps to stabilize an accident scene.

Learning objectives

What you will learn as you master the competency:

a. Discuss the scene operations (management) of an emergency involving vehicular extrication.
b. Establish scene command during a simulated motor vehicle accident.
c. Perform inner and outer circle surveys simulating a motor vehicle accident.
d. Establish an “action circle” during a simulated motor vehicle accident.
e. Establish a tool staging area during a simulated motor vehicle accident.
f. Demonstrate how to stabilize a vehicle during a simulated motor vehicle accident.
g. Demonstrate how to gain access to a patient utilizing various extrication tools and various techniques during a simulated motor vehicle accident.

Performance Standards

Competence will be demonstrated:

- By demonstration.
- In completion of tests and quizzes.

Criteria - Performance will be satisfactory when:

- Learner can discuss the scene operations (management) of an emergency involving vehicular extraction.
- Learner can establish scene command during a simulated motor vehicle accident.
- Learner can perform inner and outer circle surveys simulating a motor vehicle accident.
- Learner can establish an “action circle” during a simulated motor vehicle accident.
- Learner can establish a tool staging area during a simulated motor vehicle accident.
- Learner demonstrates how to stabilize a vehicle during a simulated motor vehicle accident.
- Learner demonstrates how to gain access to a patient utilizing various extrication tools and various techniques during a simulated motor vehicle accident.

Types of Instruction

Classroom Presentation
Practical Exercises
Student participation

Grading Information

Grading Rationale

50% Skills Assessment
50% Participation

This course is appropriate for a P/F grade. Student will be given a P/F grade unless a letter grade is requested.
**Grading Scale**

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<th>Grade</th>
<th>Description</th>
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