

**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**

ASU	NAU	UA
Non Transferable	Elective Credit	Non Transferable

**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.

- Learner can discuss the special considerations involved with patients under the influence of alcohol or drugs.

### **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 simulation 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 patient utilizing various extraction 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**

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	59% and below
P	70% - 100%