

# EASTERN ARIZONA COLLEGE

## Paramedic II

### Course Design

2017-2018

#### Course Information

<b>Division</b>	Allied Health
<b>Course Number</b>	EMT 212
<b>Title</b>	Paramedic II
<b>Credits</b>	12
<b>Developed by</b>	Evelyn Hallford
<b>Lecture/Lab Ratio</b>	10 Lecture/6 Lab

#### Transfer Status

ASU	NAU	UA
Non Transferable	Elective Credit	Non Transferable

<b>Activity Course</b>	No
<b>CIP Code</b>	51.0904
<b>Assessment Mode</b>	EMS Platinum Standardized National Exams
<b>Semester Taught</b>	Upon Request
<b>GE Category</b>	None
<b>Separate Lab</b>	No
<b>Awareness Course</b>	No
<b>Intensive Writing Course</b>	No

#### Prerequisites

EMT 210, EMT 219, and EMT 220 with a grade of "B" or higher. Current NREMT or Arizona EMT certification, AHA BLS healthcare provider card, and health insurance coverage are required.

#### Educational Value

EMT 210, 212, and 214 are a continuous enrollment, chronological training program designed to increase both the knowledge and skill base of the EMT in preparation for national certification as well as competency for job placement in the EMS profession.

#### Description

The Eastern Arizona College Paramedic Training program follows the guidelines set forth by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). Continuous enrollment in EMT 210, 212, and 214 is the study of emergency medical care and evaluation and treatment of injuries. The program focuses on both technical and practical knowledge while providing in depth skills training to evaluate and treat a wide variety of both medical and trauma emergencies in the prehospital setting. Progression of learning includes didactic/laboratory integrated with or followed by additional clinical/field experience. Students will be required to complete a minimum of 24 clinical hours for EMT 212. Check the current catalog for all course fees.

## **Supplies**

Stethoscope

Approved uniform

ID badge

## **Competencies and Performance Standards**

- 1. Integrate patient assessment findings, patient history, and knowledge of anatomy, physiology, pathophysiology, and basic and advanced life support interventions to recognize and manage patients with gynecologic emergencies.**

### **Standard: Medicine (Gynecology)**

#### **Learning objectives**

*What you will learn as you master the competency:*

- Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment /disposition plan for a patient with a medical complaint.

#### **Performance Standards**

*Competence will be demonstrated:*

- by integrating patient assessment findings, patient history, and knowledge of anatomy, physiology, pathophysiology, and basic and advanced life support interventions to recognize and manage patients with gynecologic emergencies

*Criteria - Performance will be satisfactory when:*

- learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- learner participates in class discussions and provides acceptable verbal responses to questions

- 2. Integrate patient assessment findings, patient history, and knowledge of anatomy, physiology, pathophysiology, and basic and advanced life support interventions to recognize and manage patients with obstetric presentations.**

### **Standard: Special Patient Populations (Obstetrics)**

#### **Learning objectives**

*What you will learn as you master the competency:*

- Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for patients with special needs.

#### **Performance Standards**

*Competence will be demonstrated:*

- by integrating patient assessment findings, patient history, and knowledge of anatomy, physiology, pathophysiology, and basic and advanced life support interventions to recognize and manage patients with obstetric presentations

*Criteria - Performance will be satisfactory when:*

- learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- learner participates in class discussions and provides acceptable verbal responses to questions

3. **Integrate patient assessment findings, patient history, and knowledge of anatomy, physiology, pathophysiology, and basic and advanced life support interventions to recognize and manage patients with neonatal emergencies.**

**Standard: Special Patient Populations (Neonatal Care)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for patients with special needs.

**Performance Standards**

*Competence will be demonstrated:*

- o by integrating patient assessment findings, patient history, and knowledge of anatomy, physiology, pathophysiology, and basic and advanced life support interventions to recognize and manage problems in neonatal patients

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to questions

4. **Integrate patient assessment findings, patient history, and knowledge of anatomy, physiology, pathophysiology, and basic and advanced life support interventions to recognize and manage emergencies in pediatric patients.**

**Standard: Special Patient Populations (Pediatrics)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for patients with special needs.

**Performance Standards**

*Competence will be demonstrated:*

- o by integrating patient assessment findings, patient history, and knowledge of anatomy, physiology, pathophysiology, and basic and advanced life support interventions to recognize and manage emergencies in pediatric patients

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to questions

**5. Integrate patient assessment findings, patient history, and knowledge of anatomy, physiology, pathophysiology, and basic and advanced life support interventions to recognize and manage emergencies in geriatric patients**

**Standard: Special Patient Populations (Geriatrics)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for patients with special needs.

**Performance Standards**

*Competence will be demonstrated:*

- o by integrating patient assessment findings, patient history, and knowledge of anatomy, physiology, pathophysiology, and basic and advanced life support interventions to recognize and manage emergencies in geriatric patients

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to questions

**6. Integrate patient assessment findings, patient history, and knowledge of therapeutic communication, and medical/legal considerations to recognize and manage patients with a variety of special challenges.**

**Standard: Special Patient Populations (Patients with Special Needs)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for patients with special needs.

**Performance Standards**

*Competence will be demonstrated:*

- o by integrating patient assessment findings, patient history, and knowledge of therapeutic communication, and medical/legal considerations to recognize and manage patients with a variety of special challenges

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to question

7. **Describe the operation of a functional trauma care system and discuss the roles and responsibilities of paramedics within a trauma care system. Student should be able to relate the kinetics and mechanisms of injury associated with trauma to patient's potential for injury.**

**Standard: Trauma (Trauma Overview)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for an acutely injured patient.

**Performance Standards**

*Competence will be demonstrated:*

- o by describing the operation of a functional trauma care system and discussing the roles and responsibilities of paramedics within a trauma care system. Student should be able to relate the kinetics and mechanisms of injury associated with trauma to patients potential for injury

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to questions

8. **Describe the operation of a functional trauma care system and discuss the roles and responsibilities of paramedics within a trauma care system. Student should be able to relate the kinetics and mechanisms of injury associated with trauma to patient's potential for injury.**

**Standard: Trauma (Bleeding)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for an acutely injured patient.

**Performance Standards**

*Competence will be demonstrated:*

- o by describing the operation of a functional trauma care system and discussing the roles and responsibilities of paramedics within a trauma care system. Student should be able to relate the kinetics and mechanisms of injury associated with trauma to patients potential for injury

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to questions

**9. Integrate knowledge of anatomy, physiology, pathophysiology, and treatment principles to assess and provide prehospital management for patient with burns.**

**Standard: Trauma (Soft-Tissue Trauma)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for an acutely injured patient.

**Performance Standards**

*Competence will be demonstrated:*

- o by integrating knowledge of anatomy, physiology, pathophysiology, and treatment principles to assess and provide prehospital management for patient with burns

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to questions

**10. Assess and manage patients with orthopedic injuries.**

**Standard: Trauma (Orthopedic Trauma)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for an acutely injured patient.

**Performance Standards**

*Competence will be demonstrated:*

- o by assessing and managing patients with orthopedic injuries

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to questions

**11. Assess and manage patients with thoracic trauma.**

**Standard: Trauma (Chest Trauma)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for an acutely injured patient.

### **Performance Standards**

*Competence will be demonstrated:*

- by assessing and managing patients with thoracic trauma

*Criteria - Performance will be satisfactory when:*

- learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- learner participates in class discussions and provides acceptable verbal responses to questions

## **12. Assess and manage patients with abdominal trauma.**

### **Standard: Trauma (Abdominal and Genitourinary Trauma)**

#### **Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for an acutely injured patient.

#### **Performance Standards**

*Competence will be demonstrated:*

- by assessing and managing patients with abdominal trauma

*Criteria - Performance will be satisfactory when:*

- learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- learner participates in class discussions and provides acceptable verbal responses to questions

## **13. Integrate knowledge of anatomy, physiology, pathophysiology, and treatment principles to assess and provide prehospital management for patients with injuries of the head, face, neck and spinal column.**

### **Standard: Trauma (Head, Facial, Neck and Spine Trauma)**

#### **Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for an acutely injured patient.

#### **Performance Standards**

*Competence will be demonstrated:*

- by integrating knowledge of anatomy, physiology, pathophysiology, and treatment principles to assess and provide prehospital management for patients with injuries of the head, face, neck and spinal column

*Criteria - Performance will be satisfactory when:*

- learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- learner participates in class discussions and provides acceptable verbal responses to questions

**14. Assess and manage patients with environmental emergencies.**

**Standard: Trauma (Environmental Emergencies)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for an acutely injured patient.

**Performance Standards**

*Competence will be demonstrated:*

- o by assessing and managing patients with environmental emergencies

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to questions

**15. Integrate principles of trauma management, injury prevention, and care of special patient populations into professional decision making to impact trauma morbidity and mortality.**

**Standard: Trauma (Trauma Overview; Multisystem Trauma)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate assessment findings with principles of epidemiology and pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for an acutely injured patient.

**Performance Standards**

*Competence will be demonstrated:*

- o by integrating principles of trauma management, injury prevention, and care of special patient populations into professional decision making to impact trauma morbidity and mortality

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to questions

**16. Place patient care tasks in the context of ground ambulance operations to safely respond to calls and transport patients.**

**Standard: EMS Operations (Principles of Safely Operating a Ground Ambulance)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Apply knowledge of operational roles and responsibilities to ensure patient, public and personnel safety.

**Performance Standards**

*Competence will be demonstrated:*

- o by placing patient care tasks in the context of ground ambulance operations to safely



respond to calls and transport patients

*Criteria - Performance will be satisfactory when:*

- learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- learner participates in class discussions and provides acceptable verbal responses to questions

**17. Place patient care tasks in the context of air ambulance operations to safely interact with or operate within air medical service to respond to calls and transport patients.**

**Standard: EMS Operations (Air Medical)**

***Learning objectives***

*What you will learn as you master the competency:*

- a. Apply knowledge of operational roles and responsibilities to ensure patient, public and personnel safety.

***Performance Standards***

*Competence will be demonstrated:*

- by placing patient care tasks in the context of air ambulance operations to safely interact with or operate within air medical service to respond to calls and transport patients

*Criteria - Performance will be satisfactory when:*

- learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- learner participates in class discussions and provides acceptable verbal responses to questions

**18. Effectively perform the expected functions of EMS personnel in a Multiple-Casualty Incidents.**

**Standard: EMS Operations (Multiple-Casualty Incidents)**

***Learning objectives***

*What you will learn as you master the competency:*

- a. Apply knowledge of operational roles and responsibilities to ensure patient, public and personnel safety.

***Performance Standards***

*Competence will be demonstrated:*

- by effectively performing the expected functions of EMS personnel in a Multiple-Casualty Incidents

*Criteria - Performance will be satisfactory when:*

- learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- learner participates in class discussions and provides acceptable verbal responses to questions

**19. Effectively perform the expected functions of EMS personnel in a rescue situation.**

**Standard: EMS Operations (Vehicle Extrication)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Apply knowledge of operational roles and responsibilities to ensure patient, public and personnel safety.

**Performance Standards**

*Competence will be demonstrated:*

- o by effectively performing the expected functions of EMS personnel in a rescue situation

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to questions

**20. Effectively perform the expected functions of EMS personnel in a hazardous materials incident.**

**Standard: EMS Operations (Hazardous Materials)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Apply knowledge of operational roles and responsibilities to ensure patient, public and personnel safety.

**Performance Standards**

*Competence will be demonstrated:*

- o by effectively performing the expected functions of EMS personnel in a hazardous materials incident

*Criteria - Performance will be satisfactory when:*

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner participates in class discussions and provides acceptable verbal responses to questions

**21. Integrate the special considerations involved in response to crime scenes and increased risk of violence into the overall approach to scene management and patient care.**

**Standard: Assessment (Scene Size-Up)**

**Learning objectives**

*What you will learn as you master the competency:*

- a. Integrate scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression. This includes developing a list of differential diagnoses through clinical reasoning to modify the assessment and formulate a treatment plan.

**Performance Standards**

*Competence will be demonstrated:*

- o by integrating the special considerations involved in response to crime scenes and increased risk of violence into the overall approach to scene management and patient

care

*Criteria - Performance will be satisfactory when:*

- learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- learner participates in class discussions and provides acceptable verbal responses to questions

## **22. Effectively perform the functions of EMS personnel when responding to terrorist acts.**

### **Standard: EMS Operations (Terrorism and Disaster)**

#### ***Learning objectives***

*What you will learn as you master the competency:*

- a. Apply knowledge of operational roles and responsibilities to ensure patient, public and personnel safety.

#### ***Performance Standards***

*Competence will be demonstrated:*

- by effectively performing the functions of EMS personnel when responding to terrorist acts

*Criteria - Performance will be satisfactory when:*

- learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- learner participates in class discussions and provides acceptable verbal responses to questions

#### ***Types of Instruction***

Classroom presentation

Student participation

Practical exercises and clinical experiences

Hands-on activities and small group assignments

#### ***Grading Information***

##### ***Grading Rationale***

Written exams – 50% of final grade

Quizzes – 30% of final grade

Practical exams – P/F

Affective evaluations – 20% of final grade

There will be several written exams administered throughout the course to include module exams. The required passing score on all written exams is 80%. If a student scores below 80% on a modular exam, they will be required to remediate and then retest. A score of 80% or higher must be earned on the retest to continue in the program. A student will be allowed to remediate and retest two exams. If a student scores below 80% on a third modular exam, they will be dismissed from the program. A student must retest within 7 days of the original exam.

Quizzes will also be administered on a regular basis. Students are expected to achieve at the 80% level or higher to maintain an overall semester average adequate to continue in the program.

Practical exams will be administered throughout the course as part of the student's portfolio assessment. Students will not be able to advance to EMT 214 without successfully proving competency of required skills.

Students will be graded on their affective behavior. This grade will be comprised of various elements to include but not limited to: attendance, participation, professionalism, hygiene and uniform. Students not meeting the affective requirements will be provided with counseling and documentation will be kept. If the same behavior persists after the second counseling, the student will be dismissed from the program.

Students will be required to achieve a final semester grade of 80% or higher in order to advance to EMT 214 and continue in the program.

In addition, students must complete the following, to advance to EMT 214:

- EMT 221 and EMT 222 with a grade of "B" or higher

***Grading Scale***

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F 0-59%

0 – 79.9% (unacceptable to continue in the program)