

EASTERN ARIZONA COLLEGE

Paramedic I

Course Design

2017-2018

Course Information

Division Allied Health
Course Number EMT 210
Title Paramedic I
Credits 12
Developed by Evelyn Hallford
Lecture/Lab Ratio 10 Lecture/6 Lab

Transfer Status

ASU	NAU	UA
Non Transferable	Elective Credit	Non Transferable

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

Prerequisites

Admission to Eastern Arizona College's Paramedic Program. HCE 112 and BIO 160 or BIO 201 and BIO 202 with a grade of "C" or higher. Concurrent enrollment in EMT 219 and EMT 220.

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 a paramedic as well as competency for job placement in the EMS profession.

Description

The Paramedic Training Program follows the guidelines set forth by the Commission on Accreditation of Allied Health Education Programs (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. Student will be responsible to pay an additional fee for Fisdap as part of the course fees.

Supplies

Stethoscope
Approved uniform
ID badge
Fisdap subscription

Competencies and Performance Standards

- 1. Integrate comprehensive knowledge of EMS systems, the safety and well-being of the paramedic, and medical-legal and ethical issues, which is intended to improve the health of EMS personnel, patients, and the community.**

Standard: Preparatory (EMS Systems, Workforce Safety and Wellness, Research)

Learning objectives

What you will learn as you master the competency:

- a. Integrate comprehensive knowledge of EMS systems, the safety and well-being of the paramedic, and medical-legal and ethical issues, which is intended to improve the health of EMS personnel, patients, and the community.

Performance Standards

Competence will be demonstrated:

- o by performing practical exercises including skills tested in National Registry Practical Skills Examination

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

- 2. Integrate comprehensive knowledge of EMS systems, the safety and well-being of the paramedic, and medical-legal and ethical issues, which is intended to improve the health of EMS personnel, patients, and the community.**

Standard: Preparatory (Medical/Legal and Ethics, EMS System Communication, Documentation)

Learning objectives

What you will learn as you master the competency:

- a. Integrate comprehensive knowledge of EMS systems, the safety and well-being of the paramedic, and medical-legal and ethical issues, which is intended to improve the health of EMS personnel, patients, and the community.

Performance Standards

Competence will be demonstrated:

- o by performing practical exercises including skills tested in National Registry Practical Skills Examination

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

3. Apply fundamental knowledge of principles of public health and epidemiology, including public health emergencies, health promotion and illness and injury prevention.

Standard: Public Health

Learning objectives

What you will learn as you master the competency:

- a. Apply fundamental knowledge of principles of public health and epidemiology, including public health emergencies, health promotion and illness and injury prevention.

Performance Standards

Competence will be demonstrated:

- o by performing practical exercises including skills tested in National Registry Practical Skills Examination

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 comprehensive knowledge of pathophysiology of major human systems.

Standard: Pathophysiology

Learning objectives

What you will learn as you master the competency:

- a. Integrate comprehensive knowledge of pathophysiology of major human systems.

Performance Standards

Competence will be demonstrated:

- o by performing practical exercises including skills tested in National Registry Practical Skills Examination

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 comprehensive knowledge of life span development.

Standard: Life Span Development

Learning objectives

What you will learn as you master the competency:

- a. Integrate comprehensive knowledge of life span development.

Performance Standards

Competence will be demonstrated:

- o by performing practical exercises including skills tested in National Registry Practical Skills Examination

Criteria - Performance will be satisfactory when:

- o 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

6. Integrate comprehensive knowledge of pharmacology to formulate a treatment plan intended to mitigate emergencies and improve the overall health of the patient.

Standard: Pharmacology (Principles of Pharmacology; Emergency Medications and Medication Administration)

Learning objectives

What you will learn as you master the competency:

- a. Integrate comprehensive knowledge of pharmacology to formulate a treatment plan intended to mitigate emergencies and improve the overall health of the patient.

Performance Standards

Competence will be demonstrated:

- by performing practical exercises including skills tested in National Registry Practical Skills Examination

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

7. Integrate comprehensive knowledge of anatomy, physiology and pathophysiology into the assessment to develop and implement a treatment plan with the goal of ensuring a patent airway, adequate mechanical ventilation and respiration for patients of all ages.

Standard: Airway Management, Respiration, and Artificial Ventilation

Learning objectives

What you will learn as you master the competency:

- a. Integrate comprehensive knowledge of anatomy, physiology and pathophysiology into the assessment to develop and implement a treatment plan with the goal of ensuring a patent airway, adequate mechanical ventilation and respiration for patients of all ages.

Performance Standards

Competence will be demonstrated:

- by performing practical exercises including skills tested in National Registry Practical Skills Examination

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

8. **Integrate scene and patient assessment finding 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.**

Standard: Assessment

Learning objectives

What you will learn as you master the competency:

- a. Integrate scene and patient assessment finding 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 performing practical exercises including skills tested in National Registry Practical Skills Examination

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

Standard: Medicine (Respiratory)

Learning objectives

What you will learn as you master the competency:

- a. Integrate assessment findings with principles of epidemiology and pathophysiology 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:

- 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 patients with respiratory disorders

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

Standard: Medicine (Cardiovascular)

Learning objectives

What you will learn as you master the competency:

- a. Integrate assessment findings with principles of epidemiology and pathophysiology 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:

- 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 patients with cardiovascular disorders

Criteria - Performance will be satisfactory when:

- o learner demonstrates proficiency by successful completion of practical exercises and chapter and unit exams/quizzes
- o learner passes AHA guidelines and certification for Advanced Cardiac Life Support Provider (ACLS)
- o learner participates in class discussions and provides acceptable verbal responses to questions

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

Standard: Medicine (Neurology)

Learning objectives

What you will learn as you master the competency:

- a. Integrate assessment findings with principles of epidemiology and pathophysiology 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:

- 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 patients with neurologic disorders

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

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

Standard: Medicine (Immunology)

Learning objectives

What you will learn as you master the competency:

- a. Integrate assessment findings with principles of epidemiology and pathophysiology 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:

- 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 patients with immune system disorders

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

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

Standard: Medicine (Abdominal and Gastrointestinal Disorders)

Learning objectives

What you will learn as you master the competency:

- a. Integrates assessment findings with principles of epidemiology and pathophysiology 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:

- 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 patients Gastrointestinal disorders

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

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

Standard: Medicine (Genitourinary/Renal)

Learning objectives

What you will learn as you master the competency:

- a. Integrate assessment findings with principles of epidemiology and pathophysiology 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 renal system disorders

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

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

Standard: Medicine (Toxicology)

Learning objectives

What you will learn as you master the competency:

- a. Integrate assessment findings with principles of epidemiology and pathophysiology 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 possible poisoning and or overdose

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

- 16. Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with a medical complaint.**

Standard: Medicine (Hematology)

Learning objectives

What you will learn as you master the competency:

- a. Integrate assessment findings with principles of epidemiology and pathophysiology 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 hematologic disorders

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

Standard: Medicine (Infectious Disease)

Learning objectives

What you will learn as you master the competency:

- a. Integrate assessment findings with principles of epidemiology and pathophysiology 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 personal safety measures to manage patients with infectious diseases

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

Standard: Medicine (Psychiatric)

Learning objectives

What you will learn as you master the competency:

- a. Integrate assessment findings with principles of epidemiology and pathophysiology 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 psychiatric disorders

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. **Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with a medical complaint.**

Standard: Medicine (Non-traumatic, Musculoskeletal Disorders)

Learning objectives

What you will learn as you master the competency:

- a. Integrate assessment findings with principles of epidemiology and pathophysiology 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 musculoskeletal disorders

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

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 212 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 212 and continue in the program.

In addition, students must complete the following, to advance to EMT 212:

- EMT 219 and EMT 220 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)