

Student Learning Outcome and Assessment Plan

Course title: Fire Science 17 / Health Science 17 "Emergency Medical Responder"

Department/program: Fire Science Technology

Date: December 2011

Participating Faculty: William Long

Identified Student Learning Outcomes:

Upon successful completion of this course, the student will be able to:

1. Define the role and responsibilities of the Emergency Medical Responder within the Emergency Medical System.
2. Describe and demonstrate legal and ethical considerations while providing emergency medical care for a victim suffering a medical emergency.
3. Analyze, demonstrate and explain why one surveys the scene, interviews the patient or bystanders to determine that a medical emergency exists and to provide the appropriate care for the patient's condition.
4. Demonstrate and practice disease prevention techniques at emergencies (follow body substance isolation procedures).
5. Identify the major body systems and explain their functions along with basic topographical anatomy.
6. Demonstrate all related skills for conducting a primary and secondary surveys for a patient experiencing a medical or a traumatic emergency.
7. Document and report one's findings on a patient's condition to arriving Advanced Life Support professionals.
8. Perform effective interventions for patient's experiencing; breathing, obstructed airway, cardiopulmonary emergencies for adult, child and infant.
9. Identify, describe, and demonstrate appropriate manipulative skills for first aid care of a trauma or a medically ill patient.
10. Demonstrate appropriate lifting techniques for a traumatic or medically ill patient utilizing proper equipment.
11. Describe and demonstrate the three stages of childbirth and identify standard precautions for body substance isolation during classroom simulations.
12. Describe the principles of vehicular extrication.
13. Describe and implement the 'START' System and Incident Command System procedures for multi-casualty incidents during classroom simulations.
14. Identify correct procedures that an Emergency Medical Responder should follow for hazardous materials or terrorism related incidents according to the Department of Transportation's guidelines.

Types of Assessment to be used:

SLO #1	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Define the role and responsibilities of the Emergency Medical Responder within the Emergency Medical System.	Written & oral quizzes	Written quiz	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO #2	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Describe and demonstrate legal and ethical considerations while providing emergency medical care for a victim suffering a medical emergency.	Written or oral quiz or during skill evaluations	During scenarios	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO#3	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Analyze, demonstrate and explain why one surveys the scene, interviews the patient or bystanders to determine that a medical emergency exists and to provide the appropriate care for the patient's condition.	Written or oral quiz or during skill evaluations	During scenarios	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO #4	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Demonstrate and practice disease prevention techniques at emergencies (follow body substance isolation procedures).	Written or oral quiz or during skill evaluations	During scenarios	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO # 5	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Identify the major body systems and explain their functions along with basic topographical anatomy.	Written or oral quiz or during skill evaluations	During scenarios	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO # 6	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Demonstrate all related skills for conducting primary and secondary surveys for a patient experiencing a medical or a traumatic emergency.	Written or oral quiz or during skill evaluations	During scenarios	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO # 7	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Document and report one's findings on a patient's condition to arriving Advanced Life Support professionals.	Written or oral quiz or during skill evaluations	During scenarios fill-out correctly patient care report	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO # 8	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Perform effective interventions for patient's experiencing; breathing, obstructed airway, cardiopulmonary emergencies for adult, child and infant.	During scenarios	During scenarios	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO # 9	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Identify, describe, and demonstrate appropriate manipulative skills for first aid care of a trauma or a medically ill patient.	Written or oral quiz or during skill evaluations	During scenarios	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO # 10	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Demonstrate appropriate lifting techniques for a traumatic or medically ill patient utilizing proper equipment.	During scenarios	During scenarios	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO # 11	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Describe and demonstrate the three stages of childbirth and identify standard precautions for body substance isolation during classroom simulations.	Final written exam or during scenarios	During scenarios	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO # 12	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Describe the principles of vehicular extrication.	Written final	Written final	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO # 13	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Describe and implement the 'START' System and Incident Command System procedures for multi-casualty incidents during classroom simulations.	Written final, oral questioning, scenarios	Simulations	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO # 14	Assessment Instrument(s)	Assessment Example	Assessment Criteria
Identify correct procedures that an Emergency Medical Responder should follow for hazardous materials or terrorism related incidents according to the Department of Transportation's guidelines.	Written or oral quiz	Final exam	Success is achieved if 80% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.