Assessment Based Management (EMSP 2243)

Credit
- 2 semester credit hours (1 hours lecture, 2 hour lab)

Prerequisite
- EMT-Basic certification

Co-requisite
- EMSP 2262
- EMSP 2237
- EMSP 1355
- EMSP 2430

Course Description

A capstone experience covering comprehensive, assessment based patient care management. Includes specific care when dealing with pediatric, adult, geriatric, and special-needs patients. Integrate pathophysiological principles and assessment findings to formulate a field impression; and implement a treatment plan.

Required Textbook and Materials
- EMS Program Student Handbook
- NREMT Paramedic Psychomotor Competency Portfolio
- Stethoscope
- Pen light
- BP cuff
- Trauma shears

Course Objectives[1]

Upon completion of this course, the student will be able to:
- Integrate a complex depth and comprehensive breadth of knowledge of the anatomy and physiology of all human systems.
- Integrate comprehensive knowledge of pathophysiology of major human systems.
- Integrate scene and patient assessment findings with knowledge of pathophysiology to form a field impression. This includes development of a list of differential diagnoses through clinical reasoning to modify the assessment and formulate a treatment plan.
- Integrate comprehensive knowledge of causes and pathophysiology into the management of the cardiac arrest and peri-arrest states.

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[1] Curriculum based on the National EMS Education Standards set by the United States Department of Transportation (DOT).

- Integrate a comprehensive knowledge of the causes and pathophysiology into the management of shock, respiratory failure or arrest with an emphasis on early intervention to prevent arrest.
- Safely and effectively perform all psychomotor skills within the National EMS Scope of Practice Model and state scope of practice at the Paramedic level

Course Outline
A. Welcome to LIT EMS Program
   1. Introduction of EMS Staff, Instructors and students
   2. EMS program policies

B. Oral Station(s)
   1. Explain the general approach, patient assessment, differentials, and management priorities for patients with the following problems:
      a. Chest Pain
      b. Medical Cardiac Arrest
      c. Traumatic Cardiac Arrest
      d. Acute Abdominal Pain
      e. GI Bleed
      f. Altered Mental Status
      g. Dyspnea
      h. Syncope
      i. Seizures
      j. Environmental of Thermal Exposure Emergencies
      k. Hazardous Material or Toxic Exposure
      l. Multi-Systems Trauma
      m. Allergic Reaction
      n. Behavioral Emergencies
      o. Obstetrical Emergencies
      p. Pediatric Emergencies

C. Practical Station
   1. While serving as team leader, assess a programmed patient or mannequin, consider differentials. Make decisions relative to interventions and transportation, provide the interventions, patient packaging and transportation, work as a team and practice various roles for the following common emergencies:
      a. Chest Pain
      b. Cardiac Arrest
      c. Acute Abdominal pain
      d. GI Bleed
      e. Altered Mental Status
      f. Dyspnea
      g. Syncope
      h. Seizure
      i. Trauma

        a)   Isolated Extremity Fracture
        b)   Femur Fracture
        c)   Shoulder Dislocation
        d)   Clavicle Fracture
        e)   Spine Injury
        f)   Penetrating Trauma
        g)   Impaled Object
        h)   Head Injury

j.   Allergic Reaction/Bites/Envenomation
        a)   Local Allergic Reaction
        b)   Systemic Allergic Reaction
        c)   Envenomation

k.   Behavioral
        a)   Mood Disorders
        b)   Schizophrenic and Delusional Disorders
        c)   Suicidal

l.   Obstetrics/Gynecology
        a)   Vaginal Bleeding
        b)   Childbirth

m.   Pediatric
        a)   Respiratory Distress
        b)   Fever
        c)   Seizure

Grade Scale

90 – 100	A
84 – 89	B
75 – 83	C
70 – 74	D
0 – 69	F

Course Evaluation

Final grades will be calculated according to the following criteria:

Oral Station	50%
Practical Station	50%

Course Requirements

- All class hours must be attended or make up hours documented, as required by the Texas Department of State Health Services.

- Maintain a 75% grade average in all EMS courses in order to receive a course completion certificate.

Course Policies
- See EMS Program Student handbook for specific course policies

Technical Requirements

For an online/hybrid course we recommend the following minimum technical requirements:

Operating System	Windows XP or Vista, MAC OS 10.4 or higher
Processor	1 GHz or higher
Memory	256 MB of RAM. If running Vista: 512 MB of RAM
Hard Drive Space	500 MB free disk space
Browsers	**Windows:** Supported: - Internet Explorer 6.0 - Internet Explorer 7.0 - Firefox 2.0 Unsupported Browsers**:** - Internet Explorer 8 - Firefox 3.0 **MAC 0S 10.4, 10.5:** Supported: - Safari 3.0 - Safari 3.1 - Firefox 2.0 Unsupported Browsers: - Safari 3.2 - Firefox 3.0 NOTE: Cookies, Java, and JavaScript must be enabled. Pop-up blockers should be configured to permit new windows from LIT Click here to check your browser.
Browser Plug-ins	In addition to the minimum system requirements needed to access Blackboard, you may also need additional browser plug-ins to view some of the content. Common plug-ins include: - Adobe Acrobat - Adobe Flash Player - Quicktime - Windows Media Player
Internet Connection	Broadband (cable or DSL) connection required
Additional Software	You should be running the most recent version of Java.

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office in Student Services, Cecil Beeson Building.