EMS 1431 – EMERGENCY MEDICAL TECHNICIAN
HOSPITAL/FIELD EXPERIENCE

COURSE DESCRIPTION:

Practical application of the skills learned in the Emergency Medical Technician Basic lecture and laboratory classes. Clinical knowledge and skills are performed under professional supervision in the hospital and field experience. This course emphasizes the development of skills for the recognition of signs and symptoms of illness/injury and the procedures for assessment, treatment, and stabilization of the patient.

Miami Dade College Learning Outcomes

Miami Dade College has adopted the General Education Outcomes listed below. Upon completion of a program of study at the Medical Center Campus, graduates from Miami Dade College should emulate these outcomes.

1. Communicate effectively using listening, speaking, reading and writing skills.
2. Use quantitative analytical skills to evaluate and process numerical data.
3. Solve problems using critical and creative thinking and scientific reasoning.
4. Formulate strategies to locate, evaluate, and apply information.
5. Demonstrate knowledge of diverse cultures, including global and historical perspectives.
6. Create strategies that can be used to fulfill personal, civic, and social responsibilities.
7. Demonstrate knowledge of ethical thinking and its application to issues in society.
8. Use computer and emerging technologies effectively.
9. Demonstrate an appreciation for aesthetics and creative activities.
10. Describe how natural systems function and recognize the impact of humans on the environment.

This course provides intentional learning experiences to address outcomes 1 – 7.

CLINICAL EXPERIENCE

The EMS Department in cooperation with medical facilities (emergency rooms and area fire departments) will provide the opportunity for the program participant to observe and train in a clinical setting. Students may only be at the clinical sites at scheduled times. The Rescue Officer or Charge Nurse of the emergency room must sign the clinic performance report. ABSOLUTELY NO CHANGE IN THE CLINIC SCHEDULE WILL BE ALLOWED WITHOUT AUTHORIZATION.
COURSE EVALUATION:
The evaluation for this course will be based on the following criteria:
40% total grade  =  Attendance
40% total grade  =  Patient Assessment Sheets (SOAP Reports)
20% total grade  =  EMT – Clinical Summary Reports

Attendance
Due to the number of students that must be scheduled in various emergency rooms and fire departments, students must attend clinical rotations as scheduled. ABSOLUTELY NO CHANGE IN THE CLINIC SCHEDULE WILL BE ALLOWED WITHOUT AUTHORIZATION. In the event a student misses a scheduled clinical rotation, the grade for the attendance portion of the final grade will be dropped 15 points for each day missed. There are no make up days for clinical rotations missed as a result of absences.

Patient Assessment Sheets (SOAP Reports)
Students are required to submit a SOAP report for each clinical rotation (total of 11 SOAP reports) (extrication excluded). Each report will be typed and submitted in the appropriate format. These reports must be submitted within one (1) week of the clinical rotation. Reports will be reviewed for accuracy and content. If corrections are required, the report will be returned to the student to make corrections and be completed correctly. The student must return the corrected report with in one (1) week to receive full credit. In the event a report is not submitted on time and/or returned to the instructor late after corrections, 5 points/day will be deducted from the score on the report. Reports not submitted, including those as a result of an absence, will receive a grade of zero (0).
EMT - Clinical Summary Report
A clinical summary report is to be completed for each clinical rotation (total of 11 Clinical Summary Reports)(extrication excluded). This report form must be attached to the patient SOAP report. During the respiratory care rotation, the EMT-Clinical Summary report is the only report that must be submitted. Each report must be submitted within one (1) week of the clinical rotation. In the event the report is not submitted on time, 5 points/day will be deducted from the score on the report. Incomplete reports will receive a grade of zero (0). Reports not submitted, including those as a result of an absence, will receive a grade of zero (0).

COURSE GRADING SCALE:
A = 100-94   B = 93-87
C = 86-80   F = 79-below

ACCESS SERVICES
Students with documented disabilities should contact the campus ACCESS office in advance for information on appropriate policies and procedures for obtaining assistance. No retroactive accommodations can be provided. The ACCESS office is located in room # 1345-1 at 305 237-4048. Additional information is available at http://www.mdc.edu/medical/studentservices/access
SUGGESTIONS FOR SUCCESSFULLY COMPLETING THIS COURSE

- You instructor is here to help you succeed. Feel free to stop by the office or call. Keep the lines of communication open.

- Class begins promptly on time. You should arrive at class about ten minutes before it begins. This will give you time to settle in and talk before class begins. Please do not arrive late. It is distracting to everyone.

- If you will be unavoidably late or absent, please call the instructor (as a courtesy) as soon as you know.

- There will be a good deal of practice/hands-on during this class. Please ask questions, discuss and participate. Your time is valuable. It will not do you any good to come to class and not participate. Tutorial sessions are also provided to assist the student to be successful. Take advance of these sessions.

- Look over the course outline and course schedule before each class. This will allow you to focus your study time in the most valuable area.

- Read the assigned pages BEFORE class. This will allow you to participate in class and ask any questions about information that is unclear.

- READ and STUDY the articles that you receive as handouts in class. This information will be on tests and quizzes.

- The instructor will always review the quizzes and tests after they are graded. This is time for you to ask questions and clarify any information you do not understand. This is NOT THE TIME TO ARGUE about specific questions. That may be done after class or on a break. Arguing test questions will result in the review ending immediately.

- If you feel you are not doing as well as you wish to, please speak with your instructor. Your instructor can make arrangements to schedule a tutor to assist you.

- Treat everyone, as you would like him or her to treat you. This includes students, instructors, staff and administrators. Actually it should include everyone you meet. Common courtesy goes a long way…in class as well as in life.

- Realize that this outline of objectives should serve as a guide to the major topics the class will cover. It is by no means an exhaustive list of every point you need to know.
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Module 1.0 – Introduction

General Objective:

Upon completion of this module, the student will have an understanding of the reports utilized in EMS 1431.

Specific Objectives:

1.0 Identify the various forms utilized in clinical rotations.
2.0 Review the required content for each clinical form.
3.0 Discuss what constitutes a complete report for each of the forms used in clinical rotations.
4.0 Given fictitious patient data, write a sample SOAP report.
Module 2.0 – Patient Assessment

General Objective:

Upon completion of this module, the student will demonstrate procedures related to assessment of the patient in the pre-hospital setting.

Specific Objectives:

1.0 List the personal protective equipment necessary for various situations.
2.0 Use, remove, and discard protective garments and complete disinfecting, cleaning and reporting documentation in all potential infectious exposure situations or simulated scenarios.
3.0 Demonstrate the skills used to obtain information from the patient, family, or bystanders at the scene.
4.0 Assess vital signs, differentiating normal from abnormal.
5.0 Assess skin color, temperature, state of dryness or moistness, and capillary refill.
6.0 Assess pupils, including size, reactive and non-reactive, and equal and unequal.
7.0 Discuss the need to search for additional medical identification.
8.0 Describe the guidelines and safety precautions for moving or carrying patients and/or equipment specific to EMT.
9.0 State three situations that may require the use of an emergency move.
10.0 Identify prepare for use, and demonstrate use of the following patient carrying devices:

   a. wheeled ambulance stretcher       b. stair chair
   c. scoop stretcher                  d. flexible stretcher

11.0 Demonstrate the components of an initial assessment, including vital signs, skin condition, mental status, airway and breathing and external bleeding.
12.0 Demonstrate the ability to prioritize patients.
13.0 Demonstrate the rapid trauma assessment that should be used to assess a patient based on mechanism of injury.
14.0 Demonstrate the skills involved in performing a detailed physical examination.
15.0 Demonstrate the skills involved with the proper maintenance of an intravenous line, evaluation of patency, securement, and fluid flow rate appropriate for the indicated patient.
Module 3.0 – Airway Assessment

General Objective:

Upon completion of this module, the student will demonstrate procedures related to airway assessment and management.

Specific Objectives:

1.0 Describe and demonstrate the steps in providing mouth-to-mouth artificial ventilation with body substance isolation (barriers) for adult, infant, and child patients.
2.0 Demonstrate knowledge of the parts and assembly of a bag-valve-mask system.
3.0 Demonstrate ventilation of a patient with a bag-valve-mask system, including adult, infant, and child.
4.0 Demonstrate ventilation of a patient with a pocket mask.
5.0 Demonstrate artificial ventilation of a patient utilizing a flow restricted, oxygen powered ventilation device.
6.0 Demonstrate artificial ventilation of a patient with a stoma.
7.0 Demonstrate measurement and insertion of oropharyngeal and nasopharyngeal airways.
8.0 Demonstrate oxygen administration for adult, infant, and child patients, including correct use of oxygen tanks and regulators, and correct flow rate.
9.0 Demonstrate the use of a non-rebreather face mask, stating the correct flow and indications for its use.
10.0 Demonstrate the use of a nasal cannula for oxygen administration, stating the correct flow requirements and indications for its use.
11.0 Describe and demonstrate the indications, contraindications and techniques for insertion of a nasal gastric tube in the adult and pediatric patient.
12.0 Demonstrate how to perform the Sellick maneuver (cricoid pressure).
13.0 Demonstrate endotracheal intubation, placement confirmation, and securement in the adult, infant, and child patient.
14.0 Demonstrate the placement of a multi-lumen airway, tube confirmation, and securement in the adult patient.
15.0 Demonstrate foreign body airway obstruction removal in the adult, infant, and child patient.
Module 4.0 – Pharmacological Administration

General Objective:

Upon completion of this module, the student will have an understanding of the medications used by the EMT.

Specific Objectives:

1.0 Identify medications carried on the unit by brand and generic names.
2.0 Identify medications that the EMT may assist patients to administer by brand and generic name.
3.0 Discuss the various forms of medications and the rationale for their administration.
4.0 Correctly read labels and inspect each type of medication.

Module 5.0 - Scene Management

General Objective:

Upon completion of this module, the student will demonstrate an understanding of the procedures used to secure a scene.

Specific Objectives:

1.0 Recognize and describe hazards/potential hazards.
2.0 Discuss common mechanisms of injury/nature of illness.
3.0 Identify the total number of patients at the scene and the need for additional help or assistance.
4.0 Evaluate scene safety prior to entry.
5.0 Explain the need to determine scene safety, including the importance of body substance isolation (BSI), and the steps the EMT should take for personal protection from airborne and bloodborne pathogens.
Module 6.0 – Medical Emergencies

General Objective:

Upon completion of this module, the student will demonstrate an understanding of the various responses required regarding a medical emergency.

Specific Objectives:

1.0 Complete a pre-hospital report for patients with medical emergencies.
2.0 State the generic name, medication forms, dose administration, action, indications, contraindications and side effects of medications used for medical emergencies.
3.0 Evaluate the need for medical direction in medical emergencies.
4.0 Respond correctly to medical respiratory emergencies.
5.0 Differentiate between upper airway obstruction and lower airway disease in the infant and child patient.
6.0 Respond correctly to medical cardiac emergencies.
7.0 Define the role of the EMT-B in the emergency cardiac care system.
8.0 Recognize the importance of prehospital ACLS intervention, if available, and the importance of urgent transport to a facility with ACLS if it is not available in the pre-hospital setting.
9.0 List the indications and contraindications for automated external defibrillation (AED) and the impact of age and weight on defrillation.
10.0 Identify the patient with altered mental status who is taking diabetic medications and the implications of a diabetes history.
11.0 Administer oral glucose and assess and document the patient’s response to it.
12.0 Recognize the patient experiencing an allergic reaction and respond correctly to allergy emergencies.
13.0 List the various ways that poisons enter the body and signs and symptoms associated with poisoning.
14.0 Identify patients suffering from environmental emergencies, including heat exposure, cold exposure, water-related emergencies, and bites and stings.
15.0 Describe the complications of near drowning.
Module 7.0 – EMS Operations

General Objective:

Upon completion of this module, the student will demonstrate knowledge of the emergency service operations.

Specific Objectives:

1.0 List the phases of an ambulance call, discuss the medical and non-medical equipment needed to respond to a call and identify what is essential for completion of the call.

2.0 Describe the general provisions of state laws relating to the operation of the ambulance and privileges in any or all of the following categories:
   a. speed warning lights
   b. sirens
   c. right-of-way
   d. parking
   e. turning
   f. contributing factors to unsafe driving

3.0 Describe the considerations that should be given to request for escorts, following an escort, and vehicle intersections and discuss “Due Regard for Safety of All Others”.

4.0 State the information essential in order to respond to a call and discuss various situations that may affect response to a call.

5.0 Distinguish among the terms cleaning, disinfection, high level disinfection, and sterilization and describe how to clean or disinfect items following patient care.

6.0 Prepare a unit to respond after use.

7.0 Define and discuss the fundamental components of extrication, its purpose, the role and protective equipment of the EMT-B, and the steps necessary to protect the patient.

8.0 Distinguish between simple and complex access and evaluate various methods of gaining access.

9.0 Explain the EMT-B’s role during a call involving hazardous materials or a hazard at the scene.
Module 8.0 - Emergency Management

General Objective:

Upon completion of this module, the student will practice and become proficient in the proper assessment and treatment of various illnesses and injuries encountered in the field.

Specific Objectives:

1.0 Demonstrate patient assessment including the history, primary assessment and secondary survey.
2.0 Demonstrate correct CPR according to the most current American Heart Association’s standards.
3.0 Demonstrate and/or observe the steps in airway management utilizing adjuncts including: BVM, OPA, NPA, ET Tube and suction.
4.0 Verbally identify and demonstrate the steps in trauma management differentiating between life threatening and non-life threatening situations.
5.0 Identify and discuss medical emergencies and their management.
6.0 Demonstrate and identify the indications for oxygen therapy and the operation and correct application of airway adjuncts.
7.0 Assist with the transportation of patients to and from the emergency department.
8.0 Participate in the assessment and care of the patients in the emergency room.