

TEEX EMS ACADEMY

EMT Paramedic Didactic and Laboratory Syllabus

I. Course Information

Course Title: EMT Paramedic

Course Number: EMS 135

Course Date: January 10, 2012 – April 20, 2012

Course Meeting Times: Tuesday, Thursday, every third Friday 8:00am-5:00pm

Course Location: TEEX, Brayton Fire Field Bldg 100A, College Station, TX

Course Coordinator: Mike Schuler, EMT-P
979-458-2150 mike.schuler@teexmail.tamu.edu

Course Instructor: Milton P Holland, EMT-P
979-845-2115 pat.holland@teexmail.tamu.edu

Course Description: The paramedic program instructs students in areas such as patient assessment, anatomy and physiology, pathophysiology, medication calculations, vascular access, cardiology, trauma and medical emergencies, pediatrics, geriatrics, and operations. Students learn to assess a patient using knowledge of body organization and function and using national standard protocols and critical thinking skills manage care of the patient in the pre-hospital setting.

Admission Requirements:

Students must be 18 years of age and must be certified as EMT Basic or higher prior to enrolling in the class. Students must complete four (4) web-based courses to include medical terminology, anatomy and physiology, pathophysiology, and medical calculations, prior to the first day of the classroom portion.

Transfer of Credit:

Students requesting credit from previous college-level courses must produce transcripts showing at least a "C" or higher in the course for credit to be considered. Only medical terminology, anatomy and physiology, and/or pathophysiology courses at the college level will be considered for transfer of credit.

II. Instructional Methods

This course is taught using a variety of instructional techniques including lecture, class discussions, small group work, laboratory skills practice, and scenario practices.

III. Textbook & Materials

Required Texts: AAOS Emergency Care in the Streets, sixth edition
AAOS Paramedic: Pathophysiology
AAOS Paramedic: Anatomy & Physiology
AAOS Paramedic: Calculations for Medication Administration
AAOS Essential Medical Terminology, third edition, *Stanfield*

Recommended Texts: Rapid Interpretation of EKG's, Dubin
AAOS Emergency Care in the Streets (wkbk), sixth edition

Materials: 3-Ring Binder (1.5")
Notebook Paper

IV. Course Topics

The course will cover the following topics:

1. Anatomy & Physiology
2. Pathophysiology
3. Pharmacology
4. Vascular Access & Medication Administration
5. Basic & Advanced Airway Management
6. Cardiology
7. Respiratory Emergencies
8. Medical Emergencies
9. Trauma Emergencies
10. Pediatrics
11. Geriatrics
12. Special Care Patients
13. Operations

V. Classroom Assessment

Students are expected to maintain an overall grade average of 80 throughout the class.

Initial Examinations: Students are required to take major examinations on or before the day they are scheduled. The maximum time allowed for any major examination will be 90 minutes. The minimum passing score for any major examination at any level is 70. Failure to take an examination on the date(s) assigned will result in a score of 0, and a retest will be used to take the examination on a date designated by the lead instructor.

Examination Retests: Should a student not achieve a 70 on a major examination, they must retest the examination in the time frame designated by the lead instructor. The maximum achievable grade on a retest is 80. Students are allowed retests on any exam/final but not to exceed: ECA (3), EMT-B (5), EMT-I (3), and EMT-P (7). Failure to comply with retests as prescribed by lead instructor will result in a 0 grade and will require using a retest to retake the examination. Should a student fail enough examinations so that they exceed the number of retests allowed, the student will be allowed to audit the class for informational purposes only, but will not be eligible for clinical rotations or course completion.

Final Exams: The ECA and EMT-B final will be 2 ½ hours and the EMT-I and EMT-P final will be 3 hours. The minimum passing score for the final examination at any level is 75. Should a student not achieve a 75 on the final exam, they must retest the examination on a date designated by the lead instructor. The maximum achievable grade on the retest will be 80. In order to sit for the final examination at any level, all initial examinations and retests (if needed) must be taken and passed, all initial quizzes and retests (if needed) must be taken and passed, and all skills must be completed and passed. Failure to comply with retests as prescribed by lead instructor will result in a zero grade and will require using a retest to retake the examination.

All examinations must have been taken and/or retested (if necessary) before student will be allowed to begin clinical rotation sign up. Students will contact the lead instructor to schedule examination retests.

Quizzes: Class quizzes consist of medication quizzes, scheduled quizzes, and pop quizzes. Quizzes may not be made up, with the exception of medication quizzes. If a student is absent or unable to take a quiz, a zero grade will be given. Students are required to make a minimum of 80 on any medication quiz. A Student must retest any medication quiz when the initial grade is below 80. A quiz retest does not count towards class retests allowed. The maximum retest grade allowed on a medication quiz is 80. Student will contact the lead instructor for any make up or retest on medication quizzes.

Homework: Homework is at the discretion of the class instructor and will be counted as quiz grades.

Review: An item analysis will be conducted on all exam questions that more than 50% of the class answered incorrectly. Answers/questions may be changed based on staff discretion as to the manner the question was written as well as student ability to document the correct answer in the text.

VI. Laboratory Assessment

Practice: Students will be instructed on each skill required by National Standard Curriculum, National Registry, and Texas Department of State Health Services. Students will practice each skill a minimum of three (3) times with laboratory instructors, or until minimum proficiency is demonstrated.

Testing: Students will be evaluated by instructors as to their technique, safety, and proficiency with each skill. A skills evaluation form will be completed by the instructor for each skill. Skills are evaluated on a pass/fail basis. Students who fail a skill evaluation will sign a retrain waiver and be remediated before testing again.

VII. Classroom Rules of Conduct

Students are expected to participate in class exercises as well as class discussions. The students are expected to assist the instructor at the end of the class in putting the classroom in order for the next training session. This includes putting chairs in order, cleaning coffee pot, turning off coffee warmers, picking up trash, turning out lights, & locking doors. Students will be assigned classroom duties and will be held accountable for proper completion of the assignment.

During class, pagers and cell phones will be set to the silent mode, and may be used only during breaks. No text messaging is allowed during class time. If laptop computers are brought to class, they are for note-taking purposes only. No games, movies, or internet connections will be allowed on computers or cell phones during class time.

VIII. Emergency Procedures

1. Evacuation Procedure: see instructions posted in the classroom.
2. Medical Emergencies: contact the field medic at 979-862-1859.
3. Police: contact TAMU University Police Department via 911.

IX. Americans with Disabilities Statement & Non-Discrimination Statement:

TEEX is an affirmative action, equal opportunity agency. Students with documented disabilities who may need special instructional accommodations or who may need special arrangements in the event of an evacuation should notify the instructor as soon as possible, or no later than the second week of the term. Students may contact the lead instructor or the course coordinator Mike Schuler at 979-458-2150.

X. Non-Discrimination Policy:

No individual will, on the basis of race, color, sex, religion, national origin, age, or disability, be excluded from participation in, or be denied the benefit of, or be subjected to discrimination under any System program or activity. If you, as a student, do feel that you have been discriminated against, please contact TEEX Human Resource Office at 979-458-6801 or at HR@teexmail.tamu.edu.