

**JEFFERSON COLLEGE**

**COURSE SYLLABUS**

**EMT110**

**Emergency Medical Technician I**

4 Credit Hours

Prepared by: Earl Neal  
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## EMT110 Emergency Medical Technician I

### I. CATALOGUE DESCRIPTION

#### A. Prerequisites

1. High School Diploma or GED/HiSET Certificate
2. COMPASS writing skills score of at least 70, ACT English score of at least 18, or ENG099 with a grade of “C” or better
3. Reading proficiency
4. COMPASS pre-algebra score of at least 33, ACT math score of at least 16, or MTH001 with a grade of “C” or better
5. Current American Heart Association CPR for the Healthcare Provider certification
6. Current immunizations required: MMR, PPD, Flu, Hepatitis B series, Tdap, and Varicella series
7. Criminal Background check

#### Co-requisite

EMT125 Emergency Medical Technician Clinical/Internship I

#### B. 4 credit hours

- #### C. Emergency Medical Technician I prepares an individual in all phases of Emergency Medical Services (EMS) care with the focus on general emergency care, patient assessment, handling, and transport as related to airway and breathing, and cardiac assessment. (F, S)

### II. EXPECTED LEARNING OUTCOME/CORRESPONDING ASSESSMENT MEASURES

Learning Outcomes	Assessment Measures
Demonstrate knowledge and competency in airway and breathing care	Class Participation / Skills Labs / Module Exams / Skills Competency Testing
Demonstrate assessment of the medical patient both adult and pediatric for competency in both didactic and psychomotor skill set	Classroom Participation / Homework / Quizzes / Module Exams / Skills Labs
Demonstrate assessment of the cardiac patient both adult and pediatric for competency in both didactic and psychomotor skill sets	Classroom Participation / Homework / Quizzes / Module Exams / Skills Labs
Define all pre-hospital emergency medication allowed by EMTs	Participation in Class / Homework / Module Exams

### III. OUTLINE OF TOPICS

- A. Preparatory
  1. Appreciation of the fundamental knowledge of EMS systems
  2. Safety and well-being of the EMT
  3. Medical/legal issues
  4. Documentation
  5. EMS communication
  6. Anatomy and physiology
  7. Medical terminology
  8. Pathophysiology
  9. Life span development and public health
  
- B. Pharmacology
  1. Knowledge of medications for which the EMT can assist the patient
  2. Medication administration
  3. Emergency medications
  
- C. Airway management & ventilation
  1. Airway management
  2. Respiration
  3. Artificial ventilation
  4. Airway adjuncts
  
- D. Patient assessment
  1. Scene assessment on arrival
  2. Primary assessment
  3. History taking
  4. Secondary assessment
  5. Monitoring devices
  6. Reassessment
  7. Medical overview
  
- E. Medical emergencies
  1. Neurology
  2. Abdominal and gastrointestinal disorders
  3. Immunology
  4. Infectious disease
  5. Endocrine disorders
  6. Psychiatric
  7. Cardiovascular
  8. Toxicology
  9. Respiratory

#### IV. METHODS OF INSTRUCTION

- A. Lecture
- B. Reading assignments
- C. Homework
- D. Classroom discussion
- E. Psychomotor practice & simulations
- F. On-line materials

#### V. REQUIRED TEXTBOOK(S)

- A. American Academy of Orthopedic Surgeons. *Emergency Care and Transportation of the Sick and Injured*, Preferred Package. Burlington, MA: Jones & Bartlett Learning, LLC (includes Access Codes for internet resources), Current ed.
- B. Platinum Educational Group, *Emstesting.com Access Card*, Prentice Hall PTR

#### VI. REQUIRED MATERIALS

- A. Uniform for lecture/lab;
  - 1. Navy blue color polo with EMS logo embroidered
  - 2. Dark blue or black EMS pants
  - 3. Dark socks
  - 4. Black shoes
  - 5. Black belt
  - 6. Jefferson College Student ID badge
- B. Stethoscope
- C. Wristwatch with second hand capabilities
- D. Computer with internet access (available through Jefferson College Labs)

#### VII. SUPPLEMENTAL REFERENCES

- A. Class Handouts

- B. Current internet resources
  - 1. Textbook companion web-site (requires access code)
  - 2. EMS Testing / Platinum Testing website (requires access code)
- C. All students review and sign a Contract of Understanding outlining the additional rules applied to all EMT courses

## VIII. METHOD OF EVALUATION

- A. Didactic
  - 1. Quizzes/workbook
  - 2. Module exams
  - 3. Attendance
  - 4. Final exam
- B. Psychomotor
  - 1. Skills sheets: completed during skills labs
  - 2. Final Practical Skills Examination: requires passing didactic grade
- C. Affective domain
  - 1. Professional conduct and demeanor during all phases of course work
  - 2. Proper uniform and ID worn/displayed
- D. Assignment of Final Letter Grade
  - A – 90% to 100%
  - B – 83% to 89.9%
  - C – 75% to 82.9%
  - D – 70% to 74.9%
  - F – 69.9% or below

## IX. ADA AA STATEMENT

Any student requiring special accommodations should inform the instructor and the Coordinator of Disability Support Services (Library; phone 636-481-3169).

## X. ACADEMIC HONESTY STATEMENT

All students are responsible for complying with campus policies as stated in the Student Handbook (see College website, <http://www.jeffco.edu>).

## XI. ATTENDANCE STATEMENT

Regular and punctual attendance is expected of all students. Any one of these four options may result in the student being removed from the class and an administrative withdrawal being processed: (1) Student fails to begin class; (2) Student ceases participation for at least two consecutive weeks; (3) Student misses 15 percent or more of the coursework; and/or (4) Student misses 15 percent or more of the course as defined by the instructor. Students earn their financial aid by regularly attending and actively participating in their coursework. If a student does not actively participate, he/she may have to return financial aid funds. Consult the College Catalog or a Student Financial Services representative for more details.

## XII. OUTSIDE OF CLASS ACADEMICALLY RELATED ACTIVITIES

The U.S. Department of Education mandates that students be made aware of expectations regarding coursework to be completed outside the classroom. Students are expected to spend substantial time outside of class meetings engaging in academically related activities such as reading, studying, and completing assignments. Specifically, time spent on academically related activities outside of class combined with time spent in class meetings is expected to be a minimum of 37.5 hours over the duration of the term for each credit hour.