JEFFERSON COLLEGE

COURSE SYLLABUS

EMT 236
EMT Paramedic II
20 credit hours

Prepared by:
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Course Number and Title

I. Catalogue Description

The paramedic will be prepared to effectively handle all types of medical and traumatic emergencies. These courses consist of 40 weeks of instruction, class meets Monday and Wednesday from 9:00 am to 4:00 pm, plus arranged clinical and internship experiences. Successful completion of these courses will enable the student to take the practical and written examinations with the NREMT for certification as an Emergency Medical Technician-Paramedic. This certification will then be recognized by the Missouri Department of Health–Bureau of Emergency Medical Services for licensure as a Paramedic.

Prerequisites:
A. EMT 235-1 Paramedic I
B. EMT 236-1 EMT Paramedic II (20 hours)
C. EMT 236-1 Paramedic II offered each Spring semester.

II. Expected Learning Outcomes of the course are in compliance with the learning outcomes outlined in the National Standards

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<tr>
<th>Expected Learning Outcomes</th>
<th>Assessment Measures</th>
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<tr>
<td>The student will properly assess and appropriately treat patients with medical and/or traumatic emergencies</td>
<td>Written exams, verbal/workbook reviews, and practical labs</td>
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<td>The student will recognize and appropriately treat those persons in special patient population categories (i.e. OB/GYN, infants, children, geriatric, etc.)</td>
<td>Written exams, quizzes, class discussions, practical applications through labs and clinical rotations</td>
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<tr>
<td>The student will identify the need for additional resources needed on the scene of rescues, crime scenes, etc.</td>
<td>Written exams, quizzes, workbooks, class discussions, practical labs, and clinical rotations</td>
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<td>The student will recognize and appropriately treat these persons with musculoskeletal disorders</td>
<td>Written exams, quizzes, workbooks, class discussions, practical labs, and clinical rotations</td>
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<tr>
<td>The student will properly assess and appropriately treat these persons with multisystem injuries</td>
<td>Written exams, quizzes, workbooks, class discussions, practical labs, and clinical rotations</td>
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See [www.ems.gov](http://www.ems.gov) National EMS Education Standards for the complete and concise breakdown of all didactic objectives needed to successfully complete the Paramedic I and Paramedic II.

See [www.ems.gov](http://www.ems.gov) National EMS Education Standards Paramedic for the complete and concise outline of all didactic objectives needed to successfully complete the Paramedic I and Paramedic II.

Website [www.nremt.org](http://www.nremt.org) provides standardized skills performance sheets that are utilized to prove competency on individual required skills. These are on the website under Coordinator Documents and are subdivided into Basic Skills and Advanced Skills.

### III. Course Outline with Unit Objectives (denote optional content parenthetically)

#### Module V: Medical Emergencies

- Head, Eyes, Ears, Nose and Throat Disorders:
- Pulmonology
- Cardiovascular
- Endocrine
- Nervous System
- Toxicology
- Infectious Disease
- Hematology/Immune System Disorders
- Abdominal and Genitourinary
- Musculoskeletal Disorders
- Cutaneous Disorders
- Psychiatric
- Crisis Intervention

#### Module VI: Shock

- Profound shock is an extreme emergency, one that paramedics must recognize and treat early. An understanding of cellular metabolism, acid base balance, and fluid and electrolytes is crucial to understanding shock. The student will be able to diagram the important components of the shock pathophysiology. The methodical management of all types of shock.
Module VII  Special Patient Populations

- OB/GYN
- Special Patient Populations
- Neonatology
- Pediatrics
- Geriatrics
- Abuse and Assault
- Patients with Special Challenge

Module VIII: Trauma

- Trauma
- Burns
- Multisystems
- Environmental
- Farm Response
- Wilderness EMS

Module IX: Putting it All Together

- Assessment-Based Management/Critical Thinking

Module X: Operations

- Rescue
- Mass Casualty Incident/Haz Mat Incidents
- Vehicle Ops
- Command and Control

IV. Method(s) of Instruction

Lecture
Psychomotor Practice & Simulations
Affective Clinical Rotations

Lecture: 200 clock hours of Lecture. Traditional lecture with the use of power point lecture format, digital AV and case base studies are presented over the course of two semesters.

Psychomotor Practice: 100 hours of simulation, experiential learning through scenarios based training, as well as simulations with Sim Man, Mega Code Kelly humanoid simulator, Virtual IV simulation, and ACLS simulation.
Affective Clinical Rotations: 264 hours of clinical rotations through various departments of the hospital and 375 hours of field internship on an ALS ambulance. Affective domain is measured by predetermined preceptors and direct supervision of the student’s skills; utilizing the 11 points of professionalism recognized by the EMS profession.

V. **Required Textbook(s) (with publication information; denote if different text is used for online sections)**

Platinum Testing-EMS Testing access code

VI. **Required Materials (student)**
- Uniform: Dark Navy Blue color polo with EMS logo embroidered, dark EMS pants, dark socks, black shoes, belt and name ID badge.
- Stethoscope
- FISDAP online tracking of clinical skills, and national standards test review.
- Computer for extracurricular homework.

VII. **Supplemental References**
None

VIII. **Method of Evaluation (basis for determining course grade)**
- Didactic
  - **Quizzes** Scheduled and unscheduled quizzes serve as a formative assessment tool of the currently covered objectives from didactic material.
    - Quizzes: 10% of the overall grade
  - **Exams** Scheduled module exams are a summative assessment to verify that the goals of each module have been met.
    - 35% of the overall grade
  - **Project** Various projects are assigned to promote teamwork and diplomacy. Although done as a group, points for following direction and completion of the assigned work are awarded individually.
    - 10% of the overall grade
  - **Final Exam** The final exam is given at the end of the semester as a Summative exam for all modules.
    - 35% of the overall grade
• Psychomotor
  o NREMT skills sheets  Scheduled practice labs are utilized throughout the semester to help students master competency upon summative examination at the end of each module. All skills are graded with a cut score, and that grade is merely a reflection of Pass/Fail for skills. The grade given for skills is not part of the didactic grade, but students must prove 75% or higher in skills competency. A student with average to above average didactic skills is not allowed to progress through the program if they are unable to maintain 75% or higher on skills.

  o Computer Virtual Reality  Students work at their own pace to complete the skills and certification of both Advanced Cardiac Life Support as well as Intravenous Placement. These are completed upon our virtual reality computer based simulators. These skills must be completed before clinical rotations may be started. No grades are issued.

  o Final Practical Examination  Each semester is concluded with the passing of practical skills learned in each semester. The skills are assessed using NREMT skills sheet. Paramedic II final exit examination is a randomized skills review (Oral Examination) used to assess the affective treatment of either a trauma patient or a medical patient. Remediation is done the same day. The parameters of this examination are very similar to those seen at their State practical examinations.

  o Professionalism  Affective domain is assessed during a student’s clinical rotation. Each student schedules clinical at various pre approved clinical sites, and is under the direct supervision of a licensed medical professional. The objective is to assess a student’s psychomotor performance in a real clinical setting. Adjustments to style and professionalism are addressed on a continual basis. The student is subjected to nationally accepted hours as well as exposures to specific pathophysiology, age based complaints and skills.

  o Proficiency in skills
    • 10% of overall grade

IX. ADA Statement

Any student requiring special accommodations should inform the instructor and the Coordinator of Disability Support Services (Library; phone 636-797-3000, ext. 169).

X. Academic Honesty Statement

All students are responsible for complying with campus policies as stated in the Student Handbook