

JEFFERSON COLLEGE

COURSE SYLLABUS

PAR240 Paramedic Ambulance Operations

2 credit hours

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PAR240 Paramedic Ambulance Operations

I. CATALOGUE DESCRIPTION

A. Prerequisites

1. PAR235 Paramedic Special Considerations
2. Reading proficiency
3. Current American Heart Association Healthcare Provider CPR certification
4. Current Missouri EMT license
5. Criminal background check
6. Current immunizations required: MMR, PPD, Flu, Hepatitis B series, Tdap, and Varicella series

Co-requisites

1. PAR230 Paramedic Trauma Emergencies
2. PAR245 Paramedic Clinical Practicum II
3. PAR250 Paramedic Internship II

B. 2 credit hours

- C. Paramedic Ambulance Operations teaches the student ambulance standards and design as well as ensuring adequate medical inventory and functional medical equipment. The student will also learn the Incident Command System (ICS), hazardous material awareness, crime scene considerations, defensive driving techniques and legal considerations. The course includes proper response to terrorist acts and safe response techniques. (S)

II. EXPECTED LEARNING OUTCOMES/CORRESPONDING ASSESSMENT MEASURES

Learning Outcome	Assessment Measures
Identify current local and state standards that influence ambulance design, equipment requirements, and staffing	Written exams, quizzes, class discussions, practical applications
Discuss the importance of completing an ambulance equipment/supply checklist	Written exams, quizzes, class discussions, practical applications
Explain the need for ICS and all of the components	Written exams, quizzes, class discussions, practical applications
Describe the phases of a rescue operation and the	Written exams, quizzes,

role of the paramedic at each phase	class discussions, practical applications
Describe electrical and other hazards commonly found at highway incidents, above and below ground	Written exams, quizzes, class discussions, practical applications
Describe the use of apparatus placement and headlights, emergency vehicle lights, traffic cone and flare placement	Written exams, quizzes, class discussions, practical applications
Explain the role of the paramedic/EMS responder at the hazardous materials incident	Written exams, quizzes, class discussions, practical applications
Explain the documentation necessary for hazardous medical monitoring and rehabilitation operations	Written exams, quizzes, class discussions, practical applications
Identify potential hazards and determine when/if a medical crime scene is safe to proceed	Written exams, quizzes, class discussions, practical applications

III. OUTLINE OF TOPICS

- A. Ambulance operations
 1. Ambulance standards and design
 2. Medical equipment standards
 3. Checking and maintaining ambulances
 4. Operational staffing

- B. Medical incident management
 1. Incident Command System (ICS)
 2. Command staff
 3. Triage
 4. Incident size-up
 5. Unified command

- C. Rescue awareness and operations
 1. Rescuer protection
 2. Rescue safety
 3. Phases of rescue
 4. Confined space rescue
 5. Hazardous terrain rescue

- D. Hazardous material incidents
 1. Requirements and standards
 2. Hazardous material zones
 3. Decontamination

4. Monitoring and rehabilitation
 5. Awareness level
 6. Technician level
- E. Crime scene awareness
1. Highway encounters
 2. Clandestine drug labs
 3. Preserving evidence
 4. Documentation
- F. Defensive driving of emergency vehicles
1. Safe ambulance operations
 2. Due regard
 3. State statutes and standards
 4. Standard operating guidelines
- G. Responding to terrorist acts
1. Explosive agents
 2. Nuclear detonation
 3. Chemical agents
 4. Biological agents
 5. Safety and treatment

IV. METHOD(S) OF INSTRUCTION

- A. Lecture
- B. Psychomotor practice and simulation
- C. Classroom discussions
- D. Student participation
- E. Homework

V. REQUIRED TEXTBOOK(S)

Bledsoe, B., Porter, R., & Cherry, R., *Essentials of Paramedic Care Update*. Upper Saddle River, NJ: Prentice Hall, Current ed

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. Library Resources: IPAD
- B. Miller, C.D., *Paramedic National Standards Self Test*. Upper Saddle River, NJ: Prentice Hall, Current ed

VIII. METHOD OF EVALUATION

- A. Didactic
 1. Quizzes
 2. Homework
 3. Module exams
 4. Classroom participation
 5. Class project (community service)
- B. Psychomotor
 1. Student portfolio
 2. Practical evaluations
 3. Independent labs
 4. Professionalism
- C. Assignment of Final Letter Grades
 - A = 92 - 100
 - B = 85 - 91.9
 - C = 80 - 84.5
 - D = 75 - 79.9
 - F = Below 75

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.