

JEFFERSON COLLEGE

COURSE SYLLABUS

PAR210 Paramedic Medical Emergencies

3 credit hours

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PAR210 Paramedic Medical Emergencies

I. CATALOGUE DESCRIPTION

A. Prerequisites

1. EMT206, or one year, documented, full-time patient care experience
2. ENG101, with a grade of “C” or better
3. BIO116 or BIO212, with a grade of “C” or better
4. Reading proficiency
5. Current American Heart Association Healthcare Provider CPR certification
6. Current Missouri EMT license
7. Criminal background check
8. Current immunizations required: MMR, PPD, Flu, Hepatitis B series, Tdap, and Varicella series
9. PAR200 Paramedic Advanced Care and Terminology
10. PAR205 Paramedic Pharmacology

Co-requisites

1. PAR215 Paramedic Advanced Cardiology
2. PAR220 Paramedic Clinical Practicum I
3. PAR225 Paramedic Internship I

B. 3 credit hours

- C. Paramedic Medical Emergencies prepares the student to identify life threatening and non-life threatening medical emergencies and prepares the student to perform assessments and evaluation on the medical patient. The student will learn proper treatment and transport for these patients. Treatment will include pharmacological interventions, electrical therapy, communication, and support of the patients’ emotional needs. (F)

II. EXPECTED LEARNING OUTCOMES/CORRESPONDING ASSESSMENT MEASURES

Learning Outcome	Assessment Measures
Demonstrate ability to administer proper emergency medical care utilizing proper patient evaluation techniques	Written exams, quizzes, class discussions, practical application
Discuss the epidemiology of pulmonary diseases and conditions	Written exams, quizzes, class discussions, practical application
Identify common pathological events in the pulmonary system	Written exams, quizzes, class discussions, practical

	application
Define and discuss the epidemiology, pathophysiology, assessment findings and management of neurologic emergencies	Written exams, quizzes, class discussions, practical applications
Provide appropriate assessment, management and transportation of an endocrine emergency patient	Written exams, quizzes, class discussions, practical application

III. OUTLINE OF TOPICS

- A. Pulmonology
 1. Assessment of the respiratory system
 2. Management of the respiratory disorders
 3. Specific respiratory disease

- B. Neurology
 1. General assessment findings
 2. Cerebral homeostasis
 3. Management of specific nervous system emergencies

- C. Endocrinology
 1. Endocrine disorders and emergencies
 2. Disorders of the pancreas, thyroid and adrenal glands

- D. Allergies and anaphylaxis
 1. Assessment of anaphylaxis vs an allergic reaction
 2. Proper treatment of anaphylaxis
 3. Breathing emergencies associated with anaphylaxis

- E. Gastroenterology
 1. General pathophysiology, assessment and treatment
 2. Upper gastrointestinal disease
 3. Lower gastrointestinal disease

- F. Infectious disease
 1. Microorganisms
 2. Contraction, transmission, and stages of diseases
 3. Infection control
 4. Preventing disease transmission

- G. Psychiatric and behavioral disorder
 1. Specific psychiatric disorders
 2. Management of behavioral emergencies

IV. METHOD(S) OF INSTRUCTION

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

V. REQUIRED TEXTBOOK(S)

- A. Bledsoe, B., Porter, R., & Cherry, R., *Essentials of Paramedic Care Update*. Upper Saddle River, NJ: Prentice Hall, Current ed
- B. Bledsoe, B. & Clayton, D., *Prehospital Emergency Pharmacology*. 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

- C. All students review and sign a Contract of Understanding outlining the additional rules applied to all Paramedic courses

VIII. METHOD OF EVALUATION

- A. Didactic
 - 1. Quizzes
 - 2. Homework
 - 3. Module exams
 - 4. Classroom participation
 - 5. Class project (Drug Cards)
- 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.