



ILLINOIS VALLEY COMMUNITY COLLEGE

COURSE OUTLINE

DIVISION: Workforce Development

COURSE: EMS2240 Paramedic III

Date: Spring 2020

Credit Hours: 4.5

Prerequisite(s):

1. Completion of EMS 2230 with a "C" or better
2. Completion of EMS 2231
3. Concurrent enrollment in EMS 2241, EMS 1201, EMS 1203, and EMS 2400

Delivery Method:

<input checked="" type="checkbox"/> Lecture	4 Contact Hours (1 contact = 1 credit hour)
<input type="checkbox"/> Seminar	0 Contact Hours (1 contact = 1 credit hour)
<input checked="" type="checkbox"/> Lab	1 Contact Hours (2-3 contact = 1 credit hour)
<input type="checkbox"/> Clinical	0 Contact Hours (3 contact = 1 credit hour)
<input type="checkbox"/> Online	
<input type="checkbox"/> Blended	

Offered: **Fall** **Spring** **Summer**

IAI Equivalent – **Only for Transfer Courses**-go to <http://www.itransfer.org>:

CATALOG DESCRIPTION:

This is the final section of classroom and lab in the paramedic program. During this class students apply the information that was learned in previous class to various situations while preparing to take the licensure exam.

GENERAL EDUCATION GOALS ADDRESSED

[See last page for Course Competency/Assessment Methods Matrix.]

Upon completion of the course, the student will be able:

[Choose up to three goals that will be formally assessed in this course.]

- To apply analytical and problem-solving skills to personal, social, and professional issues and situations.
- To communicate successfully, both orally and in writing, to a variety of audiences.
- To construct a critical awareness of and appreciate diversity.
- To understand and use technology effectively and to understand its impact on the individual and society.
- To develop interpersonal capacity.
- To recognize what it means to act ethically and responsibly as an individual and as a member of society.
- To recognize what it means to develop and maintain a healthy lifestyle in terms of mind, body, and spirit.
- To connect learning to life.

EXPECTED LEARNING OUTCOMES AND RELATED COMPETENCIES:

[Outcomes related to course specific goals. See last page for more information.]

Upon completion of the course, the student will be able to:

1. Demonstrate an understanding of resources and abilities needed to be a successful to be a successful paramedic.
 - 1.1 List and describe drugs that the paramedic may administer according to local protocol.
 - 1.2 Integrate pathophysiological principles of pharmacology with patient assessment
 - 1.3 Discuss the anatomy and physiology of the various body systems.
 - 1.4 Identify and use medical terminology correctly.
 - 1.5 Advocate the need to understand and apply the knowledge of pathophysiology to patient assessment and treatment.
 - 1.6 Value the uniqueness of infants, toddlers, pre-school, school aged, adolescent, early adulthood, middle aged, and late adulthood physiological and psychosocial characteristics.
2. Demonstrate an understanding of selected medical emergencies.
 - 2.1 Describe the general care for any patient experiencing a gynecological emergency.
 - 2.2 Describe how to assess an obstetrical patient.
 - 2.3 Describe the general approach to the treatment of children with respiratory distress, failure, or arrest from upper airway obstruction or lower airway disease.
 - 2.4 Synthesize patient history, assessment findings and ECG analysis to form a field impression for the patient with cardiovascular disease.
 - 2.5 Discuss the pathophysiology of non-traumatic neurologic emergencies.

- 2.6 Compare various airway and ventilation techniques used in the management of pulmonary diseases.
 - 2.7 Discuss the general assessment findings associated with endocrinologic emergencies.
 - 2.8 Discuss the anatomy and physiology of the organs and structures related to anaphylaxis.
 - 2.9 Discuss the anatomy and physiology of the organs and structures related to urogenital diseases.
 - 2.10 Describe the pathology and clinical manifestations and prognosis associated with: Anemia, Leukemia, Lymphomas, Polycythemia, Disseminated intravascular coagulopathy, Hemophilia, Sickle cell disease, Multiple myeloma
- 3. Demonstrate an understanding of traumatic emergencies.
 - 3.1 Discuss the pathophysiology of hemorrhage and shock.
 - 3.2 Discuss the pathophysiology of soft tissue injuries.
 - 3.3 Identify and describe types of burn injuries, including a thermal burn, an inhalation burns, a chemical burn, an electrical burn, and a radiation exposure.
 - 3.4 Classify head injuries (mild, moderate, severe) according to assessment findings.
 - 3.5 Explain traumatic and non-traumatic spinal injuries.
 - 3.6 Discuss the management of thoracic injuries.

MAPPING LEARNING OUTCOMES TO GENERAL EDUCATION GOALS

[For each of the goals selected above, indicate which outcomes align with the goal.]

Goals	Outcomes
First Goal	
To apply analytical and problem-solving skills to personal, social, and professional issues and situations.	1.2, 1.5, 1.6, 2.3, 2.4, 2.6, 3.4
Second Goal	
To communicate successfully, both orally and in writing, to a variety of audiences.	1.1, 1.3, 1.4, 1.5, 2.1, 2.2, 2.3, 2.5, 2.7, 2.8, 2.9, 2.10, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6

COURSE TOPICS AND CONTENT REQUIREMENTS:

- I. Preparatory Topics Review
 - a. Pharmacology Review
 - b. Pathophysiology Review
 - c. Lifespan Review

- II. Medical Topics Review
 - a. Obstetrical Review
 - b. Gynecological Review
 - c. Pediatric Review
 - d. Cardiology Review
 - e. Neurology Review
 - f. Respiratory Review
 - g. Endocrinology & Immunology Review
 - h. Urology Review
 - i. Hematology Review

- III. Trauma Topics Review

INSTRUCTIONAL METHODS:

- Lecture
- Demonstrations
- Skills lab hands on practice
- Scenarios
- Homework assignments and exams

INSTRUCTIONAL MATERIALS:

Text: Paramedic Care: Principles and Practice by Bledsoe, Porter, and Cherry 5th Edition, Volumes 1, 2, 3, 4, & 5

STUDENT REQUIREMENTS AND METHODS OF EVALUATION:

- Lecture: Preparation and participation in classroom activities is expected.
- A comprehensive final exam will also be given at the end of the semester.
- Skills/Scenario Laboratory: Students will be evaluated by peers and instructors using skill sheets developed by the National Registry of EMT
- The student's final grade will be calculated: 25% reading assignments and homework, 25% affective grade, 25% quizzes, and 25% final exam.
- The student must pass the course with a grade of "C" or better to graduate from the paramedic program.

The following grading scale will be used in determining the grade for this course.

A= 90-100

B= 80-89

C= 76-79

D= 66-75

F= 0-65

OTHER REFERENCES

Course Competency/Assessment Methods Matrix

(Dept/# Course Name)	Assessment Options																															
For each competency/outcome place an "X" below the method of assessment to be used.	Assessment of Student Learning	Article Review	Case Studies	Group Projects	Lab Work	Oral Presentations	Pre-Post Tests	Quizzes	Written Exams	Artifact Self Reflection of Growth	Capstone Projects	Comprehensive Written Exit Exam	Course Embedded Questions	Multi-Media Projects	Observation	Writing Samples	Portfolio Evaluation	Real World Projects	Reflective Journals	Applied Application (skills) Test	Oral Exit Interviews	Accreditation Reviews/Reports	Advisory Council Feedback	Employer Surveys	Graduate Surveys	Internship/Practicum /Site Supervisor Evaluation	Licensing Exam	In Class Feedback	Simulation	Interview	Written Report	Assignment
Assessment Measures – Are direct or indirect as indicated. List competencies/outcomes below.	Direct/ Indirect	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	I	I	I	I	D	D						
Demonstrate an understanding of resources and abilities needed to be a successful to be a successful paramedic.				X	X	X	X	X	X			X	X								X	X	X	X	X		X					
Demonstrate an understanding of selected medical emergencies.				X	X	X	X	X	X			X	X								X	X	X	X	X		X					
Demonstrate an understanding of traumatic emergencies.				X	X	X	X	X				X	X								X	X	X	X	X		X					