ILLINOIS VALLEY COMMUNITY COLLEGE

COURSE OUTLINE

DIVISION: Health Professions (HP)

COURSE: PMD 2240: Paramedic III

Effective Date: Summer 2025

Submitted Date: Jan-25

Credit Hours: 4.5 **IAI Number (if applicable): N/A**

Complete all that apply or mark "None" where appropriate:

Prerequisite(s): PMD 2230 with a "C" or better and PMD 2231

Enrollment by assessment or other measure? ☐Yes ☒No

If yes, please describe:

Corequisite(s): PMD 2241

Pre- or Corequisite(s): None.

Consent of Instructor: ☐Yes ☒No

Delivery Method:	☒**Lecture**	**4 Contact Hours** (1 contact = 1 credit hour)
	☐**Seminar**	**0 Contact Hours** (1 contact = 1 credit hour)
	☒**Lab**	**1 Contact Hours** (2-3 contact = 1 credit hour)
	☐**Clinical**	**0 Contact Hours** (3 contact = 1 credit hour)
	☐**Practicum**	**0 Contact Hours** (2-4 contact = 1 credit hour)
	☐**Internship**	**0 Contact Hours** (5-10 contact = 1 credit hour)

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

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 the previous classes to various situations while preparing to take the licensure exam.

ACCREDITATION STATEMENTS AND COURSE NOTES:
The goal of the paramedic program is to prepare Paramedics who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession.

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 Review

INSTRUCTIONAL METHODS:
Lecture
Demonstrations
Small group projects
Skills lab hands-on practice
Homework assignments and exams

EVALUATION OF STUDENT ACHIEVEMENT:
Written exams and quizzes are used to evaluate student progress for each module.

Skills will be evaluated by peers and instructors using skill sheets developed by the National Registry of EMTs.

INSTRUCTIONAL MATERIALS:

Textbooks

American Academy of Orthopedic Surgeons. (2023). *Nancy Caroline's Emergency Care in the Streets* (9th ed.). Burlington, MA: Jones & Bartlett Learning.

Resources

Platinum Planner
EMS Testing

LEARNING OUTCOMES AND GOALS:

Institutional Learning Outcomes

☒1) Communication – to communicate effectively.
☒2) Inquiry – to apply critical, logical, creative, aesthetic, or quantitative analytical reasoning to formulate a judgement or conclusion.
☐3) Social Consciousness – to understand what it means to be a socially conscious person, locally and globally.
☐4) Responsibility – to recognize how personal choices affect self and society.

Course Outcomes and Competencies

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

1. Demonstrate an understanding of the resources and abilities needed to be 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 burn, 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.