



# School of Nursing and Health Professions Syllabus



**THIS COURSE IS OFFERED THROUGH COOPERATIVE AGREEMENT WITH  
RWJ-BARNABAS HEALTH EMS MOBILE TRAINING CENTER**

**Term:** Credit: 3

**Office Hours:**

**Course Code:** EMT 110

**Office Location:**

**Title of Course:** PRE-HOSPITAL  
MEDICAL EMERGENCIES

**Email:**

**Phone:**

**Days & Times:**

**Prerequisites:** ENG 101, BIO 211

**Location:**

**Corequisites:** EMT 101, 120, 124

**Instructor:**

## **COURSE DESCRIPTION:**

Medical (i.e., non-traumatic) emergencies make up the overwhelming majority of EMS calls. This course is designed to engage students in the study of many of the most common chronic and acute medical ailments that they will encounter in the pre-hospital setting. Through a variety of didactic and clinical experiences, students will learn the general pathophysiology, progression, and management of conditions such as COPD, stroke, Diabetes Mellitus, anaphylaxis, gastrointestinal bleeding, kidney disease, substance abuse, Sickle Cell Anemia, gynecological emergencies, etc. Students are expected to formulate timely and appropriate treatment plans that coincide with the signs and symptoms leading to the differential diagnosis of their patients.

## **COURSE OBJECTIVES:**

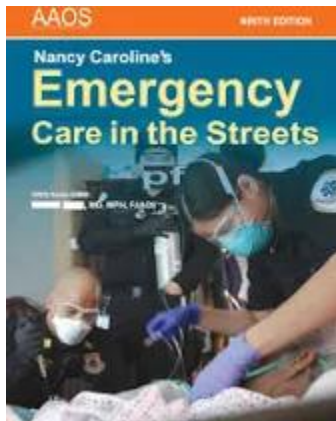
1. Distinguish between the need for in-depth medical assessment versus rapid trauma assessment in the pre-hospital setting.
2. Explain, in detail, the epidemiology, anatomy, physiology, pathophysiology, assessment findings, and management for the following diseases or conditions of the following body systems in the pre-hospital setting:
3. Cellular Biology & Principles of Pathophysiology, Allergies and Anaphylaxis,

4. Disease Awareness and Prevention, Gastroenterology, Infectious Disease, Urology, Nephrology, Pulmonology, Toxicology and Substance Abuse, Neurology, Hematology, Endocrinology and Environmental Emergencies
5. Demonstrate proper techniques for advanced airway management, IV access and patient management.
6. Perform comprehensive patient assessments/examinations and formulate corresponding treatment plans.

**Lab/Clinical:** Skills labs and clinicals are integrated throughout the course.

### **TEXTBOOK REQUIRED:**

Mejia, A. (2023). *Nancy Caroline's Emergency Care in the Streets*. Burlington: Jones and Bartlett.



**EVALUATION METHODS: Students must maintain a grade of 80% or better to pass. The course grade will be determined by:**

EMS Testing Quizzes = 5%  
LMS Homework = 5%  
Written Assignment(s) = 5%  
Affective Behavior = 10%  
Tests = 30%  
Final Practical 10%  
Skill Portfolio = 5%  
Final Exam = 30%

**WEEKLY OUTLINE:** Schedules, Topics, Due Dates, Test Dates and all other schedule information is found in the Learning Management System.

Topics included are: Pathophysiology, Life-span Development, Airway Management and Ventilation, Neuro Emergencies, Endocrine and Immunologic Emergencies, Abdominal and GI Emergencies, Infectious Diseases, Hematologic Emergencies, Diseases of the Eyes, Ears, Nose

and Throat, Toxicology and Substance Abuse, and GU and Renal Emergencies.

**HCCC POLICIES, STATEMENTS, AND SERVICES:**

<https://www.hccc.edu/administration/academic-affairs/syllabus-addendum.html>