

SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
PARAMEDIC PROGRAM
Revision Date: 12/2023

I. CATALOG DESCRIPTION

Course Number: PARM 1124
Course Title: Medical Emergencies in Paramedicine
Prerequisite(s): Enrollment in Paramedic program or by instructor approval.

Catalog Description: This course instructs in the recognition and treatment of medical diseases involving the cardiac, respiratory, neurologic, endocrine, abdominal, hematologic, behavioral disorders, toxicology and renal systems in all patient age and special considerations groups. Treatment modalities shall include pharmacological intervention, ECG interpretation, basic and advanced airway interventions and maintenance.

Credit Hours: 5
Class Hours 75
Lab Hours: 0
Total Contact Hours: 75

II. COURSE OBJECTIVES: *Course will:*

1. Review common pathophysiological diseases associated with the respiratory, cardiac, neurological, renal, gastrointestinal, hematological, reproductive, urinary and endocrine systems.
2. Provide students with an understanding of various medical emergencies, including cardiac, respiratory, neurological, renal, gastrointestinal, hematological, reproductive, urinary and toxicological.
3. Prepare students to perform the appropriate patient assessment for pre-hospital medical and toxicological emergencies.
4. Prepare students to recognize and appropriately treat various medical emergencies using the appropriate pharmacological and electrical treatment modalities.
5. Discuss special considerations involving pediatric and neonatal patients.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *Students will be able to:*

1. Demonstrate appropriate patient assessment and management skills of various medical and toxicological emergencies.
2. Demonstrate the ability to manage a dynamic cardiology station in preparation to complete an ACLS provider course.
3. Demonstrate understanding of didactic material by completing written examinations, quizzes, homework and projects with a cumulative score of $\geq 75\%$.

4. Demonstrate the professional traits as outlined in the *EMT Oath and Code of Conduct*.
5. Prepare students to perform the appropriate patient assessment of pediatric and obstetrical patients.
6. Prepare students to recognize and appropriately treat patients suffering abuse and/or neglect.
7. Prepare students to successfully complete a Pediatric Advanced Life Support (PALS) and/or Pediatric Evaluation for Prehospital Providers course and Advanced Medical Life Support Provider course.

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO 3: Critical Thinking & Problem Solving

Outcome 2: Synthesize information to arrive at reasoned solutions to problems.

1. The student will demonstrate the ability to create and/or solve scenarios given to them by the instructor formulating diagnosis and treatment.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

- A. Cardiac disease, cardiac emergencies & treatment modalities
- B. Respiratory diseases, respiratory emergencies & treatment modalities
- C. Neurological diseases, neurological emergencies & treatment modalities
- D. Endocrine diseases, endocrine emergencies & treatment modalities
- E. Gastrointestinal diseases, GI emergencies & treatment modalities
- F. Hematological diseases, hematological emergencies & treatment modalities
- G. Behavioral illness, emergencies & treatment modalities
- H. Toxicological emergencies
- I. Renal diseases, renal emergencies & treatment modalities

V. INSTRUCTIONAL MATERIALS

A. Required Text(s):

Bledsoe, B.E., Cherry, R.A., & Porter, R. S. (2023). *Bledsoe's Paramedic Care: Principles and Practices* (Sixth, Vol. 1). Pearson Education, Inc.

Bledsoe, B.E., Cherry, R.A., & Porter, R. S. (2023). *Bledsoe's Paramedic Care: Principles and Practices* (Sixth, Vol. 2). Pearson Education, Inc.

Jones & Bartlett Learning. (2021). *Advanced Medical Life Support: An Assessment-Based Approach* (current edition)

VI. METHODS OF PRESENTATION/INSTRUCTION

- A. Methods of presentation typically include a combination of the following:
 1. Lecture
 2. Group discussion
 3. Demonstrations

VII. METHODS OF EVALUATION

- A. Methods of evaluation are provided in the Course Information Document (CID) found in the course canvas shell.

SCC STANDARD GRADING SCALE POLICY:

A+	95-100	C+	75-79
A	90-94	C	70-74
B+	85-89	D+	65-69
B	80-84	D	60-64
		F	Below 60

VIII. SPECIFIC COURSE REQUIREMENTS

- A. Students must complete course with a score of Passing $\geq 75\%$ (C+) to continue in the Paramedic Program.
- B. The expectations of students are to abide by the policies and procedures found within the CID and program handbook.