

**RCP 245  
CLINICAL PRACTICE V**

**COURSE DESCRIPTION:**

Prerequisites: RCP 210 and 235

Corequisites: RCP 211 and 215

This course provides advanced practitioner clinical experience. Emphasis is on therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate clinical competence in required performance evaluations. Adult, pediatric, and neonatal critical care experiences are continued; and invasive and noninvasive monitoring devices are discussed. Course Hours Per Week: Clinical, 15. Semester Hours Credit, 5.

**LEARNING OUTCOMES:**

At the completion of the course requirements, the student will be able to:

- a. Apply advanced concepts in monitoring and management of a mechanically ventilated adult patient.
- b. Apply and refine monitoring and management skills of mechanically ventilated pediatric and neonatal patients.
- c. Observe new modalities of adult and pediatric mechanical and extracorporeal ventilation.
- d. Apply algorithms in advanced cardiac life support.

**OUTLINE OF INSTRUCTION:**

- I. Adult mechanical ventilation
  - A. Completion of adult ICU competencies
- II. Pediatric and neonatal mechanical ventilation
  - A. Continued experiences in pediatric and neonatal ICU
- III. New modalities and methods of adult and pediatric ventilation
  - A. High frequency ventilation/oscillation
  - B. ECMO
  - C. Nitric oxide therapy
  - D. New and combined ventilator modes
- IV. Introduction to ACLS
  - A. Recognition of lethal and non-lethal dysrhythmias
  - B. Application of ACLS algorithms to selected dysrhythmias

**REQUIRED TEXTBOOKS AND MATERIALS:**

Textbook to be selected by instructor

**STATEMENT FOR STUDENTS WITH DISABILITIES:**

Students who require academic accommodations due to any physical, psychological, or learning disability are encouraged to request assistance from a disability services counselor within the first two weeks of class. Likewise, students who potentially require emergency medical attention due to any chronic health condition are encouraged to disclose this information to a disability services counselor within the first two weeks of class. Counselors can be contacted by calling 686-3652 or by visiting the Student Development Office in the Phail Wynn Jr. Student Services Center, room 1309.