

RCP 235
CLINICAL PRACTICE IV

COURSE DESCRIPTION:

Prerequisites: RCP 112 and RCP 155

Corequisites: RCP 210

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. Advanced concepts in adult mechanical ventilation as well as equipment and techniques for pediatric and neonatal mechanical ventilation are introduced. Course Hours Per Week: Clinical, 15. Semester Hours Credit, 5.

LEARNING OUTCOMES:

- a. Monitor and manage an adult patient on mechanical ventilation.
- b. Monitor and manage a pediatric and neonatal patient on mechanical ventilation.
- c. Monitor the cardiac status through the use of bedside monitoring of EKG.
- d. Monitor the cardiac and pulmonary status through the use of bedside monitoring of hemodynamics.

OUTLINE OF INSTRUCTION:

- I. Advanced concepts in monitoring and managing of the mechanically ventilated adult patient
 - A. Ventilator graphics:
 - 1) Recognition.
 - 2) Interpretation.
 - 3) Application.
- II. Basics of pediatric and neonatal mechanical ventilation
 - A. Introduction to selected pediatric mechanical ventilators.
 - B. Modes of ventilation used for the pediatric and neonatal patient including NCPAP.
 - C. Management and monitoring of the mechanically ventilated pediatric and neonatal patient at the clinical site.
- III. Basic EKG interpretation
 - A. Physiologic basis of the EKG
 - B. Origin and interpretation of common dysrhythmias.

- IV. Hemodynamic monitoring
 - A. Physiologic basis of hemodynamic values.
 - B. The Pulmonary Artery catheter.
 - C. Interpretation of values derived from the pulmonary artery catheter.

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.