

RCP 153
CLINICAL PRACTICE III

COURSE DESCRIPTION:

Prerequisites: RCP 111 and RCP 145

Corequisites: RCP 112

This course provides entry-level clinical experience. Emphasis is on therapeutic and diagnostic patient care. Upon completion, students should be able to demonstrate clinical competence in required performance evaluations. Equipment and techniques for intermittent, non-invasive, and invasive mechanical ventilation are introduced. Course Hours Per Week: Clinical, 9. Semester Hours Credit, 3.

LEARNING OUTCOMES:

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

- a. Understand the basics of positive pressure ventilation, including the different modes of ventilation.
- b. Understand how to adjust and apply non-invasive mechanical ventilators.
- c. Be able to set up and operate selected mechanical ventilators.
- d. Be able to manage a patient on a mechanical ventilator according to his clinical appearance and arterial blood gas results.
- e. Be able to perform bedside pulmonary functions on the mechanically ventilated patient.

OUTLINE OF INSTRUCTION:

- I. Basics of mechanical ventilation
 - A. Indications and hazards.
 - B. Classification of mechanical ventilators.
 - C. Breath types and modes on mechanical ventilators.
 - D. Function of controls found on most mechanical ventilators.
- II. Current noninvasive ventilators
 - A. CPAP devices.
 - B. BIPAP devices.
- III. Application of mechanical ventilators
 - A. Adjustment of controls based on patients ABG's and clinical appearance.
 - B. Special features and controls of selected mechanical ventilators.

IV. Performance of various competencies involved in ventilator monitoring and management in the Intensive Care units at the clinical site.

V. Performance of bedside pulmonary function tests on a mechanically ventilated patient at the clinical site.

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.