

RCP 211
ADVANCED MONITORING/PROCEDURES

COURSE DESCRIPTION:

Prerequisites: RCP 210, RCP 214 and RCP 235

Corequisites: RCP 215, RCP 245

This course includes advanced information gathering and decision making for the respiratory care professional using evidence-based respiratory care protocols. Topics include advanced cardiac monitoring, special procedures, respiratory care protocols, and disease management. Upon completion, students should be able to assess, recommend, and independently modify respiratory care protocols through written, laboratory and/or clinical simulation evaluations. Course Hours Per Week: Class, 3. Lab, 3. Semester Hours Credit: 4.

LEARNING OUTCOMES:

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

- I. Monitor a patient's cardiovascular status
- II. Perform bedside pulmonary measurements
- III. Research current literature on respiratory care
- IV. Monitor, assess, and interpret exercise test data
- V. Make a work schedule for a department
- VI. Function in the role of a charge therapist to divide workloads accordingly
- VII. Devise a work evaluation sheet that fairly measures worker productivity
- VIII. Construct and present a power-point oral presentation
- IX. Successfully complete self-assessment clinical simulation exams

OUTLINE OF INSTRUCTION:

- I. Monitor a patient's cardiovascular status
 - a. Arterial pressure line
 - b. Central venous pressure line
 - c. Pulmonary artery pressure line
 - d. Blood draw from a PAC
- II. Perform bedside pulmonary measurements
 - a. Bedside PFT
 - b. Bedside ventilator graphics / waveforms
 - c. New monitoring devices
- III. Research current literature on respiratory care
 - a. Use of computerized research tools
 - b. Development of an in-service presentation
 - c. Case studies and case management
 - d. Health promotion
 - e. Geriatrics

- IV. Monitor, assess, and interpret exercise test data
 - a. Stress testing
 - b. Timed walk test
 - c. General procedures and setup
 - d. Hazards and complications
 - e. Equipment
 - f. Specialty gases
- V. Make a work schedule for a department
 - a. Review manpower needs
 - b. Different types of scheduling possibilities
- VI. Function in the role of a charge therapist to divide workloads accordingly
 - a. Duties of charge therapist
 - b. Matching staff to departmental needs
- VII. Devise a work evaluation sheet that fairly measures worker productivity
 - a. Role of the supervisor in evaluation
 - b. Forms of evaluation and their usage
 - c. Group role playing
- VIII. Construct and present a power-point oral presentation
 - a. Power-point skills
 - b. Oral presentations pointers
 - c. Present oral presentation
- IX. Successfully complete self-assessment clinical simulation exams
 - a. Review of test matrix
 - b. Review test materials and computerized simulations
 - c. Practice timed tests

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 919-536-7208 or by visiting the Student Development Office in the Phail Wynn Jr. Student Services Center, room 10-209.