

Common Course Outline
RESP 204
Advanced Principles & Practices of Respiratory Care
4 Credits

The Community College of Baltimore County

Description

Advanced Principles & Practices of Respiratory Care

Introduces respiratory care specialty areas to include: pulmonary function testing, arterial blood gas monitoring equipment, respiratory pathology and cardiac drugs.

Prerequisites RESP 203; RESP 204, RESP 205 and RESP 206 must be taken concurrently. Four (4) lecture hours a week. Offered in the spring.

Overall Course Objectives

Upon completion of the Course the student will be able to:

1. Explain and interpret calibration and quality control of ABG equipment.
2. Comprehend the principles of pulse oximetry transcutaneous oxygen monitoring and capnography.
3. Evaluate and interpret pulmonary function tests.
4. Evaluate and manage respiratory diseases.
5. Define the indications, contraindications and hazards of cardiac drugs.
6. Identify and evaluate normal and abnormal electrolytes, lab tests and chemestrics.
7. Comprehend and explain phlebotomy techniques, indications and hazards.

Major Topics

1. Arterial Blood Gases
2. Pulmonary Function Tests
3. Respiratory Pathology
4. Cardiac Drugs
5. Electrolytes, Lab Tests and Chemistry
6. Phlebotomy

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include the following: unit exams, homework, laboratory check-offs, quizzes, article review, and final.

Writing: Article review

Other Course Information: This course includes a 4 hour lecture at Franklin Square Hospital from 3pm-7pm. Date to be announced.