

Common Course Outline
RESP 201
Specialized Assessment of Oxygenation & Ventilation
3 Credits

The Community College of Baltimore County

Description

Specialized Assessment of Oxygenation & Ventilation

Introduces cardiopulmonary anatomy and physiology and the diagnostic procedures necessary in the assessment of oxygenation, ventilation, and cardiac function.

Prerequisites: RESP 103; RESP 104, RESP 201, RESP 202, and RESP 203 must be taken concurrently.

Overall Course Objectives

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

1. Comprehend and evaluate Cardiopulmonary Status.
2. Perform and Interpret EKG.
3. Comprehend and evaluate Hemodynamics and patient status.
4. Calculate all equations related to hemodynamic evaluation.
5. Interpret and evaluate chest x-ray.
6. Comprehend, interpret and evaluate Acid/Base Balance.
7. Comprehend and apply mechanical ventilation to specific disorders.

Major Topics

1. Anatomy & physiology of the heart
2. Electrical impulses of the heart
3. EKG's
4. Hemodynamics
5. Chest X-rays
6. Acid/Base Balance
7. Mechanical Ventilation

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