



Course Outcome Summary

Required Program Core Course

RTH 116 – Cardiopulmonary Pathophysiology

Course Information

Division	Health Sciences
Contact Hours	4
Theory	60
Total Credits	4

Prerequisites

RTH 100 – Respiratory Care Techniques I
RTH 102A- Pharmacology for Respiratory Therapists I
RTH 104 – Cardiopulmonary Assessment

Co-requisite

RTH 102B- Pharmacology for Respiratory Therapists II
RTH 110 – Respiratory Care Techniques II
RTH 111 – Respiratory Clinical Practice I

Course Description

This course gives the student an introduction to common cardiopulmonary diseases and conditions encountered by respiratory therapists. Topics include lung defense mechanisms, cardiopulmonary manifestation of disease, obstructive and restrictive lung diseases, review of microorganisms causing pulmonary infections, and pulmonary diseases/conditions encountered in the critically ill patient population.

This course is a required core course for students pursuing an Associate of Applied Science - Respiratory Therapy

Program Outcomes Addressed by this Course:

Upon successful completion of this course, students should be able to meet the program outcomes listed below:

- A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

Course Outcomes

In order to evidence success in this course, the students will be able to:

1. Relate clinical findings (including laboratory data, cardiopulmonary inspection, PFT results, signs, symptoms, infectious agents, and imaging tests) to specific cardiopulmonary diseases and/or categories of pulmonary diseases.

Applies To Program Outcome

- A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

2. Differentiate the pathogenesis of common cardiopulmonary diseases.

Applies To Program Outcome

- A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.



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3. Identify appropriate treatment(s) for common cardiopulmonary diseases.

Applies To Program Outcome

- A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

4. Interpret arterial blood gas results for acid-base and oxygenation status as related to cardiopulmonary disorders.

Applies To Program Outcome

- A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

Date Updated: 3/2023
By: H. Stripling