



# 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  
BIO 258 – Anatomy & Physiology II

#### 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. List the 3 major anatomically based 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. Compare and contrast the 3 categories of pulmonary diseases in terms of distinguishing features, identifying diagnostic tests and results.  
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.
3. List common examples of pulmonary diseases in each of the pulmonary disease subcategories.  
Applies To Program Outcome



MONROE COUNTY  
COMMUNITY COLLEGE

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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. Categorize a pulmonary disease as obstructive, restrictive, or diffusion defect when given a list of the disease's pathophysiologic features.

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.

5. Create a flow diagram of pathophysiologic consequences for a disease when given a list of the disease's pathophysiologic features.

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.

6. Describe the signs, symptoms, and treatment 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.

Date Updated: 5/2019  
By: IA; RL