

Outline of Instruction

Division:	Health Sciences	Area:	Respiratory Therapy
Course Number:	RTH 116	Course Name:	Cardiopulmonary Pathophysiology
Prerequisite:	RTH 100 - Respiratory Care Techniques I		
Corequisite:	RTH 110 - Respiratory Care Techniques II		
Hours Required:	Class: 45	Lab: 0	Credits: 3

Course Description/Purpose

This course gives the student an introduction to the most common cardiopulmonary diseases and conditions encountered in the clinical setting. Topics include lung defense mechanisms, common cardiopulmonary manifestations of disease, obstructive lung diseases, and restrictive lung diseases.

Major Units

1. Introduction to cardiopulmonary pathophysiology
2. Acute Obstructive Diseases/Disorders
3. Chronic Obstructive Diseases
4. Infectious Diseases of the Lower Respiratory Tract
5. Restrictive Diseases
6. Cardiac Diseases

Educational/Course Outcomes RTH 116

Student learning will be assessed by a variety of methods, including, but not limited to, quizzes and tests, homework assignments, and instructor observations.

Cognitive

Each student will be expected to:

- discuss common pathophysiologic mechanisms of pulmonary disease and relate them to subsequent clinical manifestations.
- discuss basic lung defense mechanisms and relate them to a patient's ability to respond to illness
- discuss the etiology, pathophysiology, clinical manifestations, diagnosis, management, and prognosis of common cardiopulmonary diseases/conditions including, but not limited to: asthma, chronic bronchitis, emphysema, cystic fibrosis, pneumonia, tuberculosis, neuromuscular diseases, pleural diseases/disorders, cardiogenic and noncardiogenic pulmonary edema.