

STANDARD COURSE OUTLINE

RESP 2123 Pulmonary Diseases

PREREQUISITE: Admission into the Respiratory Therapy (RT) Program

COURSE DESCRIPTION: This course introduces the respiratory therapy student to the most commonly encountered pulmonary diseases. It discusses the etiology, pathophysiology, and clinical manifestations of each disease.

CREDIT HOURS: 3 credit hours / may transfer to other respiratory therapy programs.

TARGET AUDIENCE: Students admitted to the RT Program.

INSTRUCTIONAL MATERIALS: Respiratory Disease – A Case Study Approach to Patient Care
Wilkins; 2nd Edition, 1998, F.A.Davis

COURSE OBJECTIVES:|

Upon successful completion of this course, the student will

1. Be aware of the scope of pulmonary diseases.
2. Have knowledge of the clinical manifestations of cardiopulmonary diseases in order to effectively assess the patient.
3. Have an understanding of the pathophysiology of a given disease in order to establish and evaluate treatment protocols.

TOPICAL OUTLINE:

This course includes (but is not limited to) the following topics:

- Module 1: Introduction to Respiratory Failure
- Module 2: Asthma
- Module 3: COPD
 - A. Chronic Bronchitis
 - B. Emphysema
 - C. Bronchiectasis
 - D. Cystic Fibrosis
- Module 4: Pulmonary Thromboembolic Disease
- Module 5: Adult Respiratory Distress Syndrome
- Module 6: Chest Trauma and Postoperative Atelectasis
- Module 7: Interstitial Lung Disease

- Module 8: Neuromuscular Disease
 - A. Guillain-Barre' Syndrome
 - B. Myasthenia Gravis
- Module 9: Pneumonia
- Module 10: Tuberculosis
- Module 11: Lung Cancer
- Module 12: Sleep Apnea