

SECTION B

General Education Information:

SECTION C

Course Description

Repeatability May be repeated 0 times

Catalog Description Students will receive instruction in the treatment of patients with cardiopulmonary disease. The course will cover advanced techniques in patient assessment, pulmonary diseases, and beginning concepts of the coronary system.

Schedule Description

SECTION D

Condition on Enrollment

1a. Prerequisite(s)

RESP 130

1b. Corequisite(s): *None*

1c. Recommended: *None*

1d. Limitation on Enrollment: *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:

A. Identify and describe cardiopulmonary pathophysiology.

2. Course Objectives: Upon completion of this course, the student will be able to:

- A. Describe advanced assessment techniques in the cardiopulmonary patient.
- B. Compare and contrast the different procedures used in diagnosing pulmonary disorders.
- C. Perform basic chest x-ray interpretation.
- D. Analyze arterial blood gas results.
- E. Discuss the pathophysiology of pulmonary diseases.
- F. Evaluate the signs and symptoms seen in the various respiratory diseases.
- G. Describe the treatment modalities used for patients with cardiopulmonary disease.
- H. Give oral and written presentations on various cardiopulmonary disorders.
- I.

3. Course Content

- A. Advanced Cardiopulmonary Assessment
- B. Diagnostic Procedures
- C. Basic Chest X-ray Interpretation
- D. Advanced Arterial Blood Gas Interpretation
- E. Cardiopulmonary Pathophysiology
- F. Restrictive vs. Obstructive Diseases
- G. Signs and Symptoms of Cardiopulmonary Diseases
- H. Treatment Modalities Used in Respiratory Care
- I.

4. Methods of Instruction:

Activity: Group activities - Students collaborate to solve simulated patient problems.

Distance Education:

Lecture: Instructor relays information on a given subject.

Projects: Student presentations - Students present patient cases given specific diagnoses.

5. Methods of Evaluation: Describe the general types of evaluations for this course and provide at least two, specific examples.

Typical classroom assessment techniques

Exams/Tests -- Examples of questions used for Quizzes is as follows:1. Differentiate the classifications of asthma severity.2. Describe the general management of asthma.

Home Work -- Examples of Homework assignments are as follows:1. Define key terms and complete self-assessment questions at the end of the chapter and on Evolve. 2. Describe the role of the following organizations in the management of asthma: - National Asthma Education and Prevention Program (NAEPP) - Global Initiative for Asthma (GINA)

Final Exam --

Mid Term -- Examples of questions used for Midterm exams:1. Describe the epidemiology