



RESP 150 - Respiratory Care Theory II Course Outline

Approval Date: 04/08/2010

Effective Date: 08/10/2010

SECTION A

Unique ID Number CCC000296308

Discipline(s) Respiratory Technologies

Division Health Occupations

Subject Area Respiratory Care

Subject Code RESP

Course Number 150

Course Title Respiratory Care Theory II

TOP Code/SAM Code 1210.00 - Respiratory Care Therapy/Therapist* / C - Occupational

Rationale for adding this course to the curriculum This course has been revised in 2009.

Units 3

Cross List N/A

Typical Course Weeks

Total Instructional Hours

Contact Hours

Lecture 54.00

Lab 0.00

Activity 0.00

Work Experience 0.00

Outside of Class Hours 108.00

Total Contact Hours 54

Total Student Hours 162

Open Entry/Open Exit No

Maximum Enrollment 30

Grading Option Letter Grade Only

Distance Education Mode of Instruction Hybrid

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 and risk factors associated with asthma, including the following types of asthma: - Extrinsic asthma - Intrinsic asthma 2. List the anatomic alterations of the lungs associated with asthma.

Letter Grade Only

6. Assignments: State the general types of assignments for this course under the following categories and provide at least two specific examples for each section.

A. Reading Assignments

Selected readings from textbook, journals or internet sites.

Examples:

1. Read pages 114-130 in Clinical Manifestations and Assessment of Respiratory Disease covering the introduction to chest x-ray interpretation.

2. Read pages 202-215 in Clinical Manifestations and Assessment of Respiratory Disease describing the differences between obstructive and restrictive lung diseases.

B. Writing Assignments

1. In groups of four, select one of the given patient problems and develop a care plan for that patient.

2. Select one of the approved cardiopulmonary diseases and present a presentation to the class on that topic.

C. Other Assignments

Students will write research paper on one cardiopulmonary disease and present the information to the class.

7. Required Materials

A. EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.

Book #1:

Author: Des Jardins, Terry
Title: Clinical Manifestations and Assessment of Respiratory Disease
Publisher: Mosby
Date of Publication: 2006
Edition: Fifth

B. Other required materials/supplies.