



RESP 200 - Respiratory Care Theory III Course Outline

Approval Date: 12/12/2013

Effective Date: 08/11/2014

SECTION A

Unique ID Number CCC000552272

Discipline(s) Respiratory Technologies

Division Health Occupations

Subject Area Respiratory Care

Subject Code RESP

Course Number 200

Course Title Respiratory Care Theory III

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

Rationale for adding this course to the curriculum Change a prerequisite from a course that is being archived to a new course.

Units 2

Cross List N/A

Typical Course Weeks 18

Total Instructional Hours

Contact Hours

Lecture 36.00

Lab 0.00

Activity 0.00

Work Experience 0.00

Outside of Class Hours 72.00

Total Contact Hours 36

Total Student Hours 108

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 The students will receive instruction in selected topics in respiratory care. The course will cover advanced pulmonary function testing, cardiopulmonary rehabilitation, home care, and gerontology.

Schedule Description

SECTION D

Condition on Enrollment

1a. Prerequisite(s)

- RESP 185 with a minimum grade of C or better

1b. Corequisite(s)

- RESP 210
- RESP 211
- RESP 250

1c. **Recommended:** *None*

1d. **Limitation on Enrollment:** *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:

- A. Describe advanced cardiopulmonary assessment techniques.
- B. Discuss the continuum of care for cardiopulmonary patients.

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

- A. Perform and interpret pulmonary function tests.
- B. Interpret advanced cardiopulmonary assessment data.
- C. Analyze respiratory care journal articles.
- D. Evaluate sleep study results.
- E. Evaluate the primary aspects of a pulmonary rehabilitation program.
- F. Demonstrate the proper technique of applying respiratory homecare equipment.
- G. Describe the normal aging process and its relationship to cardiopulmonary physiology.
- H.

3. Course Content

- A. Pulmonary function testing.
- B. Advanced cardiopulmonary assessment.
- C. Analysis of journal articles.
- D. Evaluation of sleep study results.
- E. Primary aspects of a pulmonary rehabilitation program.
- F. Proper techniques of applying homecare equipment.
- G. Normal aging process and its relationship to cardiopulmonary physiology.
- H.

4. Methods of Instruction:

Activity: Analysis of journal articles

Distance Education: Completion of computer assisted instruction and internet assignments.

Lecture: Review the procedure for performing complete pulmonary function tests.

Observation and Demonstration: Discuss the evaluation of a sleep study.

Other: Completion of all work at 77% = C

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 --

Quizzes -- Example: Interpret the given pulmonary function test results and state an example of a disease that might cause it.

Research Projects --

Class Participation --

Class Work --

Home Work --

Final Exam -- Example: Describe the aspects of a pulmonary rehabilitation program.

Mid Term --

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

Assigned readings from textbooks:

1. Read chapter 3, Pulmonary Function Study Assessments, and answer the questions at the end of the chapter.

2. Read chapter 4, Arterial Blood Gas Assessments, and answer the questions at the end of the chapter.

B. Writing Assignments

1. Given pulmonary function results, provide an interpretation and an assessment of whether this patient has an obstructive or restrictive disorder.

2. Given arterial blood gas data, interpret the results and provide possible causes.

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 Elsevier

Date of Publication: 2011

Edition: 6th

B. Other required materials/supplies.