GROSSMONT COLLEGE

Official Course Outline

RESPIRATORY THERAPY 116 – ASSESSMENT IN RESPIRATORY CARE

1. Course Number Course Title Semester Units Semester Hours

RESP 116 Assessment in 2.5 2.5 hours lecture: 40-45 hours Respiratory Care 80-90 outside-of-class hours 120-135 total hours

2. Course Prerequisites

A “C” grade or higher in Respiratory Therapy 105 and 108 and 112 and 114 or equivalent

Corequisite

A “C” grade or higher or concurrent enrollment in Respiratory Therapy 118 and 122 and 150.

Recommended Preparation

None.

3. Catalog Description

This course is designed to build upon basic assessment skills. Development of advanced skills is done through incorporating diverse techniques used when completing physical examinations, gathering data, making decisions and providing recommendations in the care of patients with cardiopulmonary diseases. This process is done through analyzing data, deciphering significant clinical findings, discussing effective communication methods and collaboratively formulating a plan of care.

4. Course Objectives

The student will:

a. Demonstrate the process of obtaining and recording a patient history as part of a complete health history.

b. Recognize the definition, causes, characteristics and typical diseases associated with pulmonary and cardiac symptoms.

c. Assess the four classic vital signs for the presence of trending patterns.

d. Interpret laboratory values used to assessa patient’s cardiopulmonary and physical condition.

e. Analyze the results obtained from a cardiopulmonary examination and develop a patient management plan based on the findings.

f. Distinguish between normal and abnormal results of clinical laboratory data, pulmonary function tests, blood gases, chest radiographs and electrocardiogram tracings.

5. Instructional Facilities

a. Standard classroom

b. Computer laboratory

c. Respiratory Therapy skills laboratory

d. High fidelity simulation laboratory

6. Special Materials Required of Student

a. Access to computer, printer, and scanner

b. Calculator

c. Appropriate clinical attire as described in the Student Handbook

d. Watch with second hand

e. Stethoscope

f. Small scissors

g. Grossmont College Respiratory Therapy student name tag

h. Grossmont College Respiratory Therapy badge buddy

RESPIRATORY THERAPY 116 – ASSESSMENT IN RESPIRATORY CARE Page 2

7. Course Content

a. Medical history and bedside interview

b. Trending vital signs

c. Symptoms related to cardiopulmonary pathologies

d. Physical examination of the patient

e. The nervous system and control of breathing

f. Clinical laboratory studies

g. Pulmonary function tests

h. Chest radiographs

i. Electrocardiogram tracings

8. Method of Instruction

1. Lecture
2. Analysis of case studies
3. Multimedia presentations such as DVDs or virtual simulation programs
4. Class and group discussions
5. Critical thinking activities such as concept mapping and graphic organizers

9. Methods of Evaluating Student Performance

a. Written examinations including a written comprehensive final examination

b. Quizzes

c. Written assignments such as short answer questions, case studies, and interpretation of lab data

d. Verbal questioning

e. Oral and visual presentations

10. Outside Class Assignments

a. Reading assignments including textbook, medical journal articles, case studies, and PowerPoints

b. Viewing of online resources and educational videos

c. Collaborative evidence-based presentations about patient assessment techniques and interventions

11. Texts

a. Required Text(s):

Heuer, Albert and Scanlan, Craig. *Wilkins’ Clinical Assessment in Respiratory Care*. St Louis, MO: Elsevier, 8th ed. 2018.

b. Supplementary texts and workbooks:

Department of Respiratory Therapy. *Grossmont College Respiratory Therapy Student Handbook*. El Cajon, CA: Grossmont College 2018-2020.

Addendum: Student Learning Outcomes

Upon completion of this course, our students will be able to do the following:

Distinguish normal and abnormal patient assessment values, interpret the results, and recommend a plan of care.

Date approved by the Governing Board: May 21, 2019