GROSSMONT COLLEGE

Official Course Outline

RESPIRATORY THERAPY 268 – RESPIRATORY THERAPY HOME CARE TECHNIQUES

1. Course Number Course Title Semester Units Semester Hours

RESP 268 Respiratory Therapy 1.55 1.5 lecture hours: 24-27 hours

: 27 hours Home Care Techniques 48-54 outside-of-class hours

72-81 total hours

2. Course Prerequisites

A “C” grade or higher in Respiratory Therapy 201 and 208 and 222 or equivalent

Corequisite

A “C” grade or higher or concurrent enrollment in Respiratory Therapy 205 and 232.

Recommended Preparation

None.

3. Catalog Description

This course will provide the student with a review of various apparatuses utilized by patients in their home. This will include home oxygen therapy modalities, home sterilization techniques and home ventilator life support systems.

4. Course Objectives

The student will:

a. Distinguish between hospital and home patient resources and back-up safety systems.

b. Evaluate the patient’s home care plan to prevent a hospital readmission.

c. Assess the patient’s home disinfection procedure

d. Associate the components of a pulmonary rehab program to the needs of a patient living with a chronic lung disease

e. Differentiate the results of a sleep study as it applies to a patient with sleep apnea

f. Apply and manipulate home care ventilation systems

5. Instructional Facilities

1. Standard classroom

b. Respiratory Therapy skills laboratory

c. Computer laboratory

d. High fidelity simulation laboratory

6. Special Materials Required of Student

a. Appropriate clinical attire as described in the Student Handbook

b. Watch with second hand.

c. Stethoscope.

d. Small scissors.

e. Calculator.

f. Access to a computer, printer, and scanner

g. Grossmont College Respiratory Therapy student name tag

h. Grossmont College Respiratory Therapy badge buddy

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7. Course Content

a. Oxygen therapy including:

(1) Home cylinder storage

(2) Oxygen concentrators

(3) Liquid oxygen storage systems

b. Patient hygiene including

(1) Oral care

(2) Tracheostomy care

(3) Home suctioning techniques

c. Home equipment sterilization

d. Patient education

e. Home ventilator life support systems

f. Pulmonary Function Testing and interpretation

g. Sleep medicine

8. Method of Instruction

1. Lecture
2. Class and group discussion.
3. Analysis of case Studies
4. Multimedia resources such as DVDs or virtual simulation programs

9. Methods of Evaluating Student Performance

a. Quizzes

b. Written examinations including a comprehensive final examination

c. Evidence based assignments on topics such as homecare procedures and best practices

d. Verbal questioning

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

f. Oral and visual presentations

10. Outside Class Assignments

1. Reading assignments including textbooks, medical journal articles, case studies, and PowerPoints

b. Viewing of online resources and educational videos

c. Preparation of collaborative evidence-based presentations about homecare procedures and best practices.

11. Texts

a. Required Text(s):

Kacmarek, Robert, James Stoller, Albert Heuer. *Egan’s Fundamentals of Respiratory Care*. 11th ed. St. Louis, Missouri; Elsevier, 2017.

b. Supplementary texts and workbooks:

Department of Respiratory Therapy.  *Grossmont College Respiratory Therapy Handbook*.  El Cajon, CA: Grossmont College 2018/2019

Addendum: Student Learning Outcomes

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

1. Interpret the results of a pulmonary function test, identify the presence of hypopnea and apnea on a sleep study and recognize the key components of a pulmonary rehab program.
2. Distinguish between various home oxygen systems, and educate patients and families in their proper use.

Date approved by the Governing Board: May 21, 2019