

## **RESP-232 PULMONARY REHABILITATION AND HOME CARE**

2 CREDITS

### **SYLLABUS**

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#### **CATALOG DESCRIPTION**

The course presents the principles and applications of pulmonary rehabilitation, respiratory home care, and healthcare reimbursement. Included are sub-acute care and geriatrics.

Prerequisites: RESP 122, 124, 220, 226, 228

Co-Requisites: RESP 222, 230, 238, 240

Semester Offered: Fall Semester

#### ***COMMON STUDENT LEARNING OUTCOMES***

*Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...*

##### **BROAD AND SPECIALIZED LEARNING**

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

##### **CRITICAL THINKING**

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

##### **CULTURAL AND CIVIC ENGAGEMENT**

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

##### **EFFECTIVE COMMUNICATION**

Students will exchange ideas and information with clarity in multiple contexts.

##### **INFORMATION LITERACY**

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

##### **INTEGRATING TECHNOLOGIES**

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

#### **COURSE LEARNING OUTCOMES**

*Upon successful completion of the course, the student will be able to:*

## GENERAL LEARNING OBJECTIVES

1. Describe the scope and definitions of rehabilitation.
2. Identify the goals, objectives and rationale for pulmonary rehabilitation.
3. Discuss the program formats, components, content and outcome assessment.
4. Compare the different oxygen delivery systems for home care.
5. Identify basic equipment and supplies used in respiratory home care.
6. Describe patient assessment and environmental assessment in the home care setting.
7. Identify the cases commonly managed in a home ventilator program.
8. Identify guidelines for reimbursement of respiratory equipment and services.
9. Describe sub-acute care and the role of the respiratory therapist.
10. Describe respiratory care applications in geriatrics.

## SPECIFIC LEARNING OBJECTIVES

*Upon successful completion of the course, the student will be able to:*

1. Describe the scope and definitions of rehabilitation:
  - A. Define pulmonary rehabilitation.
  - B. State the difference between pulmonary and cardiac rehabilitation.
2. Identify the goals, objectives and rationale for pulmonary rehabilitation:
  - A. List the goals and objectives of pulmonary rehabilitation.
  - B. State the basis for patient selection.
3. Discuss the program formats, components, content and outcome assessment:
  - A. Differentiate closed-format, open-format, individual sessions, and group sessions.
  - B. Identify the program component requirements for location, space and equipment.
  - C. Discuss patient education, exercises, treatment plan, prescription and documentation.
  - D. Identify the benefits and methods of measuring and assessing outcomes.
4. Compare the different oxygen delivery systems for home care:
  - A. Describe the set up and operation of oxygen concentrators.
  - B. Describe the set up and operation of liquid oxygen system.
  - C. Describe the set up and operation of oxygen conserving devices.
  - D. Describe the set up and operation of compressed gas cylinders.
5. Identify basic equipment and supplies used in respiratory home care:
  - A. Discuss the goals and set up of aerosol therapy.
  - B. Discuss the goals and set up of IPPB therapy.
  - C. Explain the use and care of suction units, percussors and devices for cough assistance.
  - D. Discuss the goals, set up and care of CPAP and bi-level therapy.
  - E. State the indications for home infant apnea monitoring.
6. Discuss environmental assessment and patient education in the home care setting:
  - A. Explain the rationale for assessment of the home environment, care-giver support, patient education, and psychosocial status.
7. Identify the cases commonly managed in a home ventilator program:
  - A. Describe ventilatory neuromuscular dysfunction.
  - B. Describe central hypoventilation syndrome.
  - C. Describe restrictive lung diseases for home care.
  - D. Describe obstructive lung diseases for home care.

8. Identify guidelines for reimbursement of respiratory equipment and services:
  - A. Identify agencies and programs that provide healthcare reimbursement or coverages.
  - B. Identify regulatory bodies, accreditation and licensure for home care.
  
9. Describe sub-acute care and the role of the respiratory therapist:
  - A. Define sub-acute care and identify the core elements.
  - B. List 3 elements of admission and 3 groups of respiratory patients for sub-acute care.
  - C. Describe the role of the respiratory therapist and the modalities used in sub-acute care.
  - D. Explain discharge planning and reimbursement in sub-acute care.
  
10. Describe respiratory care applications in geriatrics:
  - A. Identify clinical interventions for older patients with visual and hearing deficits.  
Identify the various assessments and treatments used for the older patient.

#### ASSESSMENT TECHNIQUES

1. Quizzes
2. Homework/Project
3. Mid-term Exam  
Final Exam

#### ACCOMMODATIONS STATEMENT

Students who need accommodations (i.e., note-taker, interpreter, special seating, etc.) need to provide accommodation notices to the instructor. Students can contact the Students with Disabilities on Campus (SDOC) Coordinator in the Counseling Center, located in the Administration Building, to make arrangements and provide documentation in accordance with the Americans with Disabilities Act of 1990.

#### ACADEMIC HONESTY RULES

San Juan College expects all students to adhere to the Academic Honesty Rules as posted on our website, <http://www.sanjuancollege.edu/academichonesty>. All Health Sciences Programs have a responsibility to ensure enrolled students and graduates are safe, ethical and competent practitioners. To ensure professionalism, students and faculty must uphold and abide by college and program accreditation specific policies.

#### SYLLABUS DEVELOPED AND/OR REVIEWED BY:

Dean of Health Sciences: \_\_\_\_\_ Date: \_\_\_\_\_

Director of Respiratory Therapy: \_\_\_\_\_ Date: \_\_\_\_\_

Clinical Coordinator of RT: \_\_\_\_\_ Date: \_\_\_\_\_