



SYLLABUS

CATALOG DESCRIPTION

This course is structured to provide the student the clinical experience in applying respiratory care modalities in the intensive or critical care and emergency settings. Included are modalities for airway care, ventilator management and monitoring of adult patients.

Prerequisites: RESP 116, 120, 126, 128

Co-Requisites: RESP 122, 124, 220, 228

Semester Offered: Summer 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

GENERAL LEARNING OBJECTIVES

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

1. Demonstrate ethical behavior, safety practices, effective communication skills, interpersonal and teamwork skills in a clinical environment.
2. Select, review, obtain and interpret data.
3. Select, assemble and check equipment for proper function, operation, and cleanliness.
4. Initiate, conduct, and modify prescribed therapeutic procedures based on patient outcomes.
5. Demonstrate proficiency and competency in the delivery of respiratory care procedures.

SPECIFIC LEARNING OBJECTIVES

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

1. Demonstrate ethical behavior, safety practices, effective communication skills, interpersonal and teamwork skills in a clinical environment:
 - A. Demonstrate adherence to hospital policies and procedures.
 - B. Demonstrate adherence to department policies and procedures.
2. Select, review, obtain and interpret data:
 - A. Locate or identify pertinent data in the patient's chart.
 - B. Interpret data from patient history, clinical assessment, chest x-ray, and laboratory tests.
 - C. Demonstrate critical thinking as well as problem-solving skills.
3. Select, assemble and check equipment for proper function, operation, and cleanliness:
 - A. Demonstrate airway management, airway care and the use of suctioning devices.
 - B. Demonstrate ventilator set-up, monitoring, circuit change and trouble-shooting.
 - C. Demonstrate the set-up and operation of an end-tidal CO₂ monitor, pulse oximeter and transcutaneous monitor.
 - D. Demonstrate set-up for transport of adult patient.
4. Initiate, conduct, and modify prescribed therapeutic procedures based on patient outcomes:
 - A. Assist in advanced cardiac life support (ACLS) procedures in the clinical setting.
 - B. Identify the criteria and demonstrate initiation of mechanical ventilation on a patient.
 - C. Demonstrate monitoring and management of patient-ventilator system.
 - D. Identify the criteria and demonstrate weaning of patients from mechanical ventilation.
5. Demonstrate proficiency and competency in the delivery of respiratory care procedures:
 - A. Demonstrate application of therapeutic procedures on a ventilated patient.
 - B. Recognize and identify the indications of intubation, as well as contraindications, and complications of this procedure.
 - C. Demonstrate the knowledge of the indications, contraindications and complications of extubation, as well as performance of the procedure.
 - D. Demonstrate performance of arterial blood gas sampling from an indwelling artery catheter/arterial line.

ASSESSMENT TECHNIQUES

1. Skills Competencies Assessment (check-offs)
 2. Homework/Project
 3. Mid-Term Exam
 4. Final Exam
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ACCOMODATIONS STATEMENT

Students who need accommodations (i.e., notetaker, 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: _____