

**SEWARD COUNTY COMMUNITY COLLEGE  
COURSE SYLLABUS**

**I. TITLE OF COURSE:** RT2251- Clinical Simulation and Review

**II. COURSE DESCRIPTION: 1 credit hours**  
**1 credit hours of lecture and 0 credit hours of lab per week.**

This is an online course that emphasizes the critical thinking skills required for an advanced respiratory care practitioner. The course content includes an extensive review of the application of all respiratory care learned while in the program. In addition, this course utilizes computer-based respiratory care clinical scenarios which require the student to assemble and analyze patient data and make therapeutic and diagnostic recommendations. The students will participate in a webinar exam review to prepare them further for the national board exam.

For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of class is expected.

Pre-requisite: Admission to Respiratory Therapy Program.

**III. PROGRAM AND/OR DEPARTMENT MISSION STATEMENT:**

The Respiratory Therapy Program of Seward County Community College provides an educational forum responsive to the needs of the health care community with emphasis to maximize professional potential and foster the development of competent and compassionate respiratory care practitioners.

**IV. TEXTBOOK AND MATERIALS:**

1. Heur, A.J. and Scanlan, C.L. (2018). Wilkin's Clinical Assessment in Respiratory Care. (8th ed.). Maryland Heights: Elsevier.
2. Kacmarek, R. M., Stoller, J. K., Heuer, A. M., (2017). Egan's Fundamentals of Respiratory Care. (11th ed.). St. Louis: Elsevier.
3. Lindsey Jones Board Review Website: [lindsey-jones.com](http://lindsey-jones.com)
4. Cairo, J. M.(2018). Mosby's Respiratory Care Equipment. (10th Ed.). St. Louis: Elsevier.
5. Cairo, J. M. (2016). Pilbeam's Mechanical Ventilation (6th Ed.). St. Louis: Elsevier.
6. Stanley, D. (2017). Lindsey Jones Respiratory Therapy Exam Review (1st Ed.). LindseyJones LLC

**V. SCCC OUTCOMES**

Students who successfully complete this course will demonstrate the ability to do the following SCCC Outcomes.

- 3: Communicate their ideas clearly and proficiently in speaking, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.
- 5: Demonstrate the ability to think critically by gathering facts, generating insights, analyzing data, and evaluating information
- 6: Exhibit skills in information and technological literacy
- 7: Understand each other, moving beyond simple acceptance to embracing and celebrating the rich dimensions of diversity by working as a team to learn, engaging with community, exhibiting cultural awareness, and creating equity.

**VI. COURSE OUTCOMES:**

1. To recall factual information to identify specific facts, terms, methods, procedures, principles and concepts.

2. Application - to apply laws, theories, concepts and/or principles to new clinical situations.
3. Analysis - being able to separate a patient care problem into its component parts or elements to evaluate the relationship of the parts or elements to the whole problem.

## **VII. COURSE OUTLINE:**

1. Patient Data
  - a. ABG Sampling
  - b. Ventilation & Oxygenation Calculations
  - c. Radiographic Assessment
  - d. Common Lab Tests
  - e. Assessment Priority
  - f. Physical Assessment
  - g. Electrocardiography
  - h. Pulmonary Function Test
  - i. Hemodynamics
  - j. Special Diagnostic Procedures
2. Equipment
  - a. Oxygen Delivery Devices
  - b. Humidification & Aerol Delivery
  - c. Artificial Airways
  - d. Plynorey Assessment Equipment
  - e. Suction Equipment
  - f. Cleanly, Sterilization, & Disinfection
3. Infections
  - a. Improving Ventilation
  - b. Assisting Ventilation
  - c. Full Ventilatory Support
  - d. Airway maintenance
  - e. Oxygen Therapy
  - f. Cardioversion & Defibrillation
  - g. BLS & ACLS
  - h. Microbiology
  - i. Bronchoscopy
  - j. Thoracentesis
  - k. Cardiopulmonary Stress Testing
  - l. Sleep Testing
  - m. Pulmonary Rehabilitation
  - n. Home Care
  - o. Patient Transport
  - p. Disease Management
  - q. Communication, Education, & Documentation
  - r. Respiratory Management/Supervision
  - s. Quality Improvement
  - t. Evidence – Based Medicine
  - u. Disaster Management
  - v. Withdrawal of Life Support
  - w. Rapid Response Teams
  - x. Neonatal Care
  - y. Pathology Review
4. Final
  - a. NBRC CSE Test

## **VIII. INSTRUCTIONAL METHODS:**

1. Online content review
2. Textbooks
3. Canvas
4. linsey-jones.com

**IX. INSTRUCTIONAL AND RESOURCE MATERIALS:**

1. Clinical Simulation Exercises
2. Textbooks
3. Audiovisual Materials
4. Canvas
5. lindsey-jones.com

**X. METHODS OF ASSESSMENT:**

SCCC Outcome #3 will be assessed and measured by written assignments and case study presentations.

SCCC Outcome #5 will be assessed and measured by examination and student performance on the clinical simulators and scores taken from the online clinical simulation test.

SCCC Outcome #6 will be assessed and measured by the student's skills using current technology available in the online course shell, case study presentation, simulation laboratory, and clinical settings.

SCCC Outcome #7 will be assessed and measured by presentations and class discussions and application of classroom content in clinical facilities.

**XI. ADA STATEMENT:**

Under the Americans with Disabilities Act, Seward County Community College will make reasonable accommodations for students with documented disabilities. If you need support or assistance because of a disability, you may be eligible for academic accommodations. Students should identify themselves to the Dean of Students at 620-417-1106 or going to the Student Success Center in the Hobble Academic building, room 149 A.

Syllabus Reviewed: 4/12/2021