

**SEWARD COUNTY COMMUNITY COLLEGE
COURSE SYLLABUS**

I. TITLE OF COURSE: RT2014- Clinical Practicum II

II. COURSE DESCRIPTION: 4 credit hours
2 credit hours of lecture and 2 credit hours of lab per week.

This course is a two hour lecture that is a continuation of general clinical practice. The student acquires more critical care experience with emphasis on pulmonary function testing, chest x-rays, physician rounds, blood gas sampling and analysis, non-invasive monitoring, and non-invasive ventilation. The classroom portion of this course introduces the student to advanced procedures that include: fiberoptic bronchoscopy, thoracentesis, chest tube management, and non-invasive ventilation.

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 into the 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. AARC Clinical Practice Guidelines, Library, Internet
RT, Respiratory Care Journals
2. Cairo, J. M., and Pilbeam, S. P. (2018). Respiratory Care Equipment. (10th ed.). St. Louis: Elsevier.
3. Cairo, J. M. (2019). Pilbeam's Mechanical Ventilation Physiological and Clinical Applications. (7th Ed.). St. Louis: Elsevier.
4. Wilkins, R. L., Krider, S. J., and Sheldon, R. L. (2018). Clinical Assessment in Respiratory Care. (8th ed.). St. Louis: Elsevier.
5. Wilkins, R. L., Stoller, J. K., and Kacmarek, R. M. (2020). Egan's Fundamentals of Respiratory Care. (12th ed.). St. Louis: Elsevier.
6. DataArc clinical competencies

V. SCCC OUTCOMES

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

I: Read with comprehension, be critical of what they read, and apply knowledge gained to real life

V: Demonstrate the ability to think critically by gathering facts, generating insights, analyzing data, and evaluating information

VI: Exhibit skills in information and technological literacy

VI. COURSE OUTCOMES:

1. Evaluate the patients clinical status and recommend appropriate therapy based on clinical assessment.
2. Modify therapy to meet current needs as determined by patient assessments.

3. Initiate appropriate communication skills with physician, health care providers and fellow student and draw these individuals into task focused conversation in patients care.
4. Compare and contrast rigid and fiberoptic bronchoscopy as used in both therapeutic and diagnostic purposes.
5. Differentiate between the normal chest film and the abnormal chest film.
6. Discuss the methodology for pericardiocentesis and thoracentesis and the related pleural disorders which indicated the need for the procedure.
7. Explain and discuss the clinical indications and appropriate techniques for placement, management, and removal of thoracic chest tubes.
8. Explain the procedure of tracheal aspiration and tracheal catheter placement.
9. Describe Intracranial pressures and how they relate in the ICU setting.
10. Explain the uses of Bi-PAP and how to maintain proper settings.
11. Describe how to obtain and interpret transcutaneous oxygen and carbon dioxide monitoring..
12. Identify and discuss arterial blood gas sampling and analysis errors.
13. Describe methods of ABG quality control.
14. Compare methods of calibration of ABG equipment.
15. Identify indications for HFOV.
16. Define patient strategies for HFOV.

VII. COURSE OUTLINE:

1. Orientation
2. Noninvasive Ventilation
3. X-ray Assessment
4. Analysis: Monitoring of Gas Application & Exchange
5. Blood Gas Analyzers
6. Chest & Pleural Trauma
7. Disorders of the Pleura
8. Final Exam

VIII. INSTRUCTIONAL METHODS:

1. Textbooks and journals
2. Lecture and discussion
3. Clinical rotation
4. Out of class assignments
5. Audiovisuals
6. eCollege

IX. INSTRUCTIONAL AND RESOURCE MATERIALS:

1. Textbooks and journals
2. Audiovisuals material
3. Laboratory equipment
4. Clinical sites
5. Computer tutorials and simulations
6. eCollege

X. METHODS OF ASSESSMENT:

Outcome #1 will be assessed and measured by class participation and written assignments indicating comprehension of material read.

Outcome #5 will be assessed and measured by the student's critical care problem solving and fact gathering.

Outcome #6 will be assessed and measured by the student's skills using current technology available in laboratory and clinical settings.

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 Hobbie Academic building, room 149 A.

Syllabus Reviewed: 3/26/2021