

Course Objectives/Course Outline
Spokane Community College

Course Title: Fundamentals of Respiratory Care I Technical Skills Lab

Prefix and Course Number: RT 242

Course Learning Outcomes:

By the end of this course, a student should be able to:

In a simulated laboratory setting apply:

- Appropriate patient record keeping
- Hand hygiene
- Isolation procedures
- Taking vital signs
- Auscultation of the chest
- Physical assessment of the chest
- Basic chest radiograph interpretation
- Bedside spirometry assessment
- Measurement of pulse oximetry

Course Outline:

- I. Hand hygiene
 - A. Soap and water
 - B. Alcohol based products
 - C. Hexachlorophene scrub products
- II. Isolation procedures
 - A. Contact
 - B. Droplet
 - C. Airborne
 - D. Neutropenic
- III. Vital signs
 - A. Heart / Respiratory rate
 - B. Blood pressure
 - C. Pulse oximetry
- IV. Physical assessment of the chest
 - A. Inspection
 - B. Auscultation
 - C. Palpation
 - D. Percussion
- V. Chest radiograph interpretation
 - A. Technical quality
 - B. Orientation and views
 - C. Identification of landmarks
 - D. Abnormal patterns

- VI. Bedside spirometry
 - A. Peak expiratory flow
 - B. Maximal inspiratory pressure (MIP)
 - C. Forced vital capacity and FEV1
- VII. Pulse oximetry monitoring
 - A. Probe type and site
 - B. Setting alarms
- VIII. Patient record keeping
 - A. Demonstrate use of electronic medical record
 - B. Demonstrate use of a flow sheet