

Course Objectives/Course Outline
Spokane Community College

Course Title: Critical Care II Technical Skills Lab

Prefix and Course Number: RT 312

Course Learning Outcomes:

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

- Given a patient scenario with history, perform a thorough bedside assessment, review of lab information and incorporate features from previous labs to include:
 - Initial invasive and non-invasive treatments for Adult patients, Monitor and Parameter changes (ECMO, iNO, Liquid Ventilation, HFV).
 - Chest X-Ray interpretations
 - Non-invasive monitoring options
 - Lung Protective options for Dual Mode Ventilation (PRVC, VC+, VG, VS, APRV)
- Participate in a Pulmonary Ultrasound demonstration of lung pathology
- Demonstrate correct placement of an intra-aortic balloon pump

Course Outline:

- I. Weekly demonstrations of lab skill and review of performance evaluation, for the following:
 - A. Inhaled NO
 - B. High Frequency Oscillatory Ventilation
 - C. Dual Mode Ventilation – PRVC, VC+, VG, VS, APRV and PAV
 - D. Neonatal and Pediatric initiation, monitoring and parameter changes
 - E. Ventilator Circuit Changes
 - F. Optional – IABP and HBO
- II. Onsite tour of Hyperbaric Chamber and TCM monitoring with wound therapy