

Course Objectives/Course Outline
Spokane Community College

Course Title: Critical Care Clinical I

Prefix and Course Number: RT 331

Course Learning Outcomes:

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

During this First Adult Critical Care clinical rotation, the student is expected to adhere to the student policies and grading timelines, while they observe, assist and apply, under direct supervision, all of the following:

- Demonstrate previous clinical skills, while displaying appropriate cognitive, and affective behaviors
- Demonstrate appropriate work ethics including attendance per assigned clinical schedule
- Select of appropriate equipment in a corresponding storage area for patient care
- Perform techniques for improving oxygenation including; PEEP, FIO₂, CPAP, BiPAP and EPAP
- Perform techniques for improving ventilation including; VT, f, VE, Pressure Support and elimination of Dead space ventilation (VD/VT)
- Perform adult ventilator monitoring including:
 - Static and dynamic compliance
 - Airway resistance
 - Inspiratory Pressures or Driving Pressures
 - Alarm settings to include apnea alarms
 - Waveform analysis
- Perform techniques for liberating an adult patient from mechanical ventilation to include:
 - SIMV
 - Pressure Support
 - Spontaneous Breathing Trials – CPAP and T-Piece
 - Non-invasive positive pressure ventilation
 - Waveform analysis
- Identify and participate in issues and dilemmas in the care of the critically ill patient concerning application of life support measures
- Correctly calculate the values obtained from a pulmonary artery catheter or central venous catheter
- Complete daily logs, weekly self-evaluations
- Participate in activities/events that include physician interaction
- Perform weekly self-evaluations with bi weekly self-assessment of strengths and weaknesses, ventilator patient care plans, physician interactions, and preceptor evaluations
- Function as an active member of the Health Care Team

Course Outline:

- I. Orientation to facility to include tour of critical care environment, equipment storage areas, and Respiratory Care Department with log in sheets, excused absenteeism forms and timeline for notebook review
- II. Continuation of Electronic medical record keeping
- III. Participating in Shift Reports and time management with assigned patients
- IV. Continued Chart Review for patients and appropriate documentation after therapy
- V. Tricks to writing a Critical Care Adult Care Plans on specific patients with a ventilator flowsheet
- VI. Maintenance of previous completed skills and notebooks
- VII. Completion of performance skills, daily logs, weekly self-evaluations, patient care plans, physician interactions, preceptor evaluations weekly and additional options leading to the final grade