

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: RTH 290

Credits: 2

Course Title: Coordinated Practice in Respiratory Therapy: ACC/NPCC III

Course Description:

Provides supervised on-the-job training. Further develops critical respiratory care clinical skills and critical-thinking skills. Students rotate through several critical care units (adult, pediatric, and neonatal) and practice and become evaluated on advanced level critical care skills. Students also develop skills in hemodynamic monitoring and polysomnography. Prerequisites: Successful completion of all curriculum courses offered during the first four semesters of the AAS degree in Respiratory Therapy. Laboratory 10 hours per week.

General Course Purpose:

The purpose of this clinical course is to familiarize and evaluate students on advanced critical care skills, hemodynamic monitoring and polysomnography

Course Objectives:

Upon completing the course, the student will be able to:

1. Further refine their adult, neonatal, and pediatric critical care skills and to further develop critical thinking necessary for this environment.
2. Be competent in the critical care monitoring areas of transcutaneous monitoring and capnography.
3. Demonstrate competence in doing ventilator initiations, circuit changes, and patient-ventilatory system care.
4. Demonstrate competence with trach care and trach changes.
5. Demonstrate competence with basic hemodynamic monitoring and shunt study computations.

Major Topics to Be Included:

1. Ventilator initiation
2. Ventilator circuit change
3. Patient-Ventilator system care
4. Neonatal/Pediatric ventilation
5. Tracheostomy Tube change
6. Transcutaneous monitoring
7. Capnography
8. Hemodynamic monitoring
9. Shunt studies

Effective Date of Course Content Summary: September 24, 2008