

**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 IV

**Course Description:** Supervises 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 are 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 Prerequisites and Co-requisites:**

Prerequisites: Successful completion of all curriculum courses offered during the first four semesters of the AAS degree in Respiratory Therapy (RTH 215, RTH 295, RTH 223, RTH 226, RTH 290 ACC/NPCC I, RTH 290 ACC/NPCC II,

**Student Learning Outcomes:**

Upon completing the course, the student will be able to

- a. Integrate previous respiratory critical thinking with acute care patients;
- b. Demonstrate advanced independent competencies on adult, neonatal, and pediatric critical care patients;
- c. Demonstrate advanced competencies in critical care monitoring areas of transcutaneous monitoring and capnography;
- d. Demonstrate independent competence in doing ventilator initiations, circuit changes, and patient-ventilatory system care;
- e. Demonstrate independent competence with trach care and trach changes; and
- f. Demonstrate independent competence with basic hemodynamic monitoring and shunt study computations.

**Major Topics to Be Included:**

- a. Ventilator initiation
- b. Ventilator circuit change
- c. Patient-Ventilator system care
- d. Neonatal/Pediatric ventilation
- e. Tracheostomy tube change
- f. Transcutaneous monitoring
- g. Capnography
- h. Hemodynamic monitoring
- i. Shunt studies

**Effective Date of Course Content Summary:** December 1, 2017