

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

**Course Prefix and Number: RTH 290**

**Credits: 3**

**Course Title: Coordinated Internship ACC/NPCC II**

**Course Description (including lecture hours, lab hours, total contacts)**

Supervises on-the-job training. Introduces the student to respiratory critical care, home care, and diagnostic pulmonary functions. Students rotate through several critical care units (adult, pediatric and neonatal) and practice and become evaluated on entry-level critical care skills. Students are also introduced to adult and pediatric home care and learn to perform diagnostic pulmonary functions. Laboratory 10 hours per week.

**General Course Purpose**

The purpose of this clinical course is to familiarize and evaluate students on critical care skills, home care skills, and pulmonary functions.

**Course Prerequisites/Corequisites** (*Entry-level competencies **required** for enrollment*)

Completion of the first three semesters of the AAS degree program in Respiratory Therapy

**Course Objectives** (Each item should complete the following sentence.)

Upon completing the course:

1. The student will become oriented to the critical care environment and the role the continuous mechanical ventilator plays in this environment.
2. The student will develop the necessary skills to initially set up a ventilator, perform ventilator checks and change the ventilator circuit in accordance with the hospital policy and procedures.
3. The student will become familiar with the various mechanical ventilators used at the clinical sites they rotate through.
4. The student will demonstrate proficiency using Mask CPAP/BiPAP systems.
5. The student will demonstrate proficiency in performing endotracheal extubations.
6. The student will demonstrate proficiency in obtaining blood from A-Lines.
7. The student will demonstrate proficiency in performing tracheostomy care.
8. The student will become oriented to the neonatal-pediatric critical care units with the clinical competency being performed in the spring semester.
9. The student will become proficient at performing lung volumes and diffusion studies on pulmonary function patients.
10. The student will understand the basic differences between obstructive and restrictive lung disease processes utilizing pulmonary function test results.
11. The student will gain a basic understanding of adult and pediatric home care.

**Major Topics to be Included**

Ventilator Initiation  
Extubation  
Ventilator Circuit Change  
Tracheostomy Care  
Patient-Ventilator System Care  
Arterial Line Samples  
Mask CPAP/BiPAP Initiation  
Spirometry  
Neonatal Patient Ventilator System Care

**Effective Date of Course Content Summary (Month, Date Year):** September 24, 2008