

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

Course Prefix and Number: **RTH 225**

Credits: 3

Course Title: Neonatal and Pediatric Respiratory Care

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

Focuses on the cardiopulmonary, physiology, pathology, and application of therapeutic procedures in the management of the newborn and pediatric patient. Prerequisite: Successful completion of the first 3 semesters of the AAS degree program. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

General Course Purpose

To provide the necessary foundation for students to provide respiratory care to neonatal and pediatric patients. To teach students neonatal and pediatric content in order to successfully pass the entry-level and advanced practice credentialing examinations.

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

Successful completion of the first 3 semesters of the AAS degree program

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

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

- a. List gestational age chronologically associated with the events of lung buds, placenta, and birth.
- b. Recognize various cardiac anomalies and the effects on the patients
- c. Be familiar with disease processes specific to the neonatal and pediatric patient populations
- d. Perform neonatal and pediatric patient assessment
- e. Be familiar with the stages of pregnancy and labor

Major Topics to be Included

- a. Developmental respiratory anatomy and physiology
- b. Developmental cardiac anatomy and physiology
- c. Neonatal and pediatric respiratory disease processes
- d. Neonatal and pediatric cardiac anomalies
- e. Neonatal and pediatric assessment
- f. Therapeutic intervention

Effective Date of Course Content Summary (Month, Date Year): August 25, 2008