

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: RTH 226

Credits: 2

Course Title: Theory of Neonatal and Pediatric Respiratory Care

Course Description: Focuses on cardiopulmonary physiology and pathology of the newborn and pediatric patient. Prerequisite: Successful completion of all curriculum courses offered during the first three semesters of the AAS degree in Respiratory Therapy. Lecture 2 hours per week.

General Course Purpose: To provide the necessary foundation for respiratory therapy students to provide respiratory care to neonatal and pediatric patients. To teach students neonatal and pediatric content in order to successfully pass the Therapist Multiple-Choice Exam.

Course Prerequisites and Co-requisites:

Prerequisite: Successful completion of all curriculum courses offered during the first three semesters of the AAS degree in Respiratory Therapy.

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Discuss chronological events associated with the lung development, gestational development, labor, and delivery;
- b. Recognize various cardiac anomalies and the effects on the patients;
- c. Discuss disease processes specific to the neonatal and pediatric patient populations, including diagnostic testing and treatment; and
- d. Perform neonatal and pediatric patient assessment.

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

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