



Course Outcome Summary

Required Program Core Course

RTH 216 – Neonatal/Pediatric Management

Course Information

Division	Health Sciences
Contact Hours	2
Theory	30
Total Credits	2

Prerequisites

RTH 120 – Respiratory Care Techniques III &
RTH 121 – Respiratory Care Clinical Practice II

Co-requisite

RTH 211 – Respiratory Care Clinical Practice III
RTH 212 – Advanced Cardiopulmonary Physiology
RTH 214 – Adult Critical Care

Course Description

This classroom and lab course covers topics including fetal growth and development, cardiopulmonary birth defects, patient assessment, clinical management of neonatal and pediatric diseases/conditions, and commonly encountered equipment and ventilators in neonatal and pediatric intensive care units. Laboratory topics will include Neonatal Resuscitation Program concepts, ventilation modes, oscillators, hyperinflation technologies, airway care and other skills associated with this specialty patient population.

This course is a required core course for students pursuing an Associate of Applied Science - Respiratory Therapy

Program Outcomes Addressed by this Course:

Upon successful completion of this course, students should be able to meet the program outcomes listed below:

- Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.
- Demonstrate the ability to perform the clinical and technical skills relevant to his/her role as a Registered Respiratory Therapist

Course Outcomes

In order to evidence success in this course, the students will be able to:

- Describe normal fetal growth, development, and commonly encountered cardiopulmonary congenital defects.
Applies To Program Outcome
 - Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.
- Describe the resuscitation, airway care, management techniques, and equipment used for the care of neonatal/pediatric patients in cardiopulmonary distress.
Applies To Program Outcome
 - Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.



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3. Interpret and describe techniques associated with ascertaining neonatal/pediatric history, physical examination, laboratory and radiological examination; and invasive/non-invasive monitoring.
Applies To Program Outcome
 - A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

4. Recognize and compare commonly encountered neonatal/pediatric diseases/conditions as they pertain to etiology, clinical manifestations, diagnosis, and management.
Applies To Program Outcome
 - A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

5. Describe neonatal/pediatric ventilator and alarm setting management and adjustment in response to patient assessment, ventilator graphics, ventilator alarms, and arterial or capillary blood gas results.
Applies To Program Outcome
 - A. Demonstrate the ability to gather, comprehend, evaluate, apply, and problem solve using empirical information relevant to his/her role as a competent Registered Respiratory Therapist.

6. Demonstrate basic familiarity with the setup, administration, and troubleshooting of neonatal/pediatric intensive care devices such as neo-puffs, capnometers, pulse oximeters, ventilators, oscillators, CPAP, and airway devices.
Applies To Program Outcome
 - B. Demonstrate the ability to perform the clinical and technical skills relevant to his/her role as a Registered Respiratory Therapist.

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By: HMS