



## Course Information

Division	Health Sciences
Contact Hours	13
Off-Campus Clinical Hours	196
Total Credits	4

## Prerequisites

RTH 211 – Respiratory Care Clinical Practice III &  
RTH 216 – Neonatal/Pediatric Management

## Co-requisite

RTH 226 – Respiratory Care Techniques IV

## Course Description

This clinical course provides a varied experience for about-to-graduate students. A major emphasis will be in assessment and management of neonatal and pediatric patients in the intensive care unit on mechanical ventilation. Other rotations will be held in alternate settings such as pulmonary rehabilitation, sleep disorders lab, long-term acute care, and other areas where respiratory therapists are employed. This course will have an adult critical care clinical rotation to refresh skills for students nearing completion of the program. Weekly seminars on campus will facilitate student learning.

**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.
- Exhibit the personal behaviors consistent with professional standards and employer expectations of a competent Registered Respiratory Therapist.

## Course Outcomes

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

- Maintain adequate levels of theoretical knowledge, skill, and effective behavior as outlined in previous courses of RTH 111, 121, and 211 objectives.  
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, explain, state theory of operation and perform or demonstrate set-up and usage activities with all equipment listed on the assigned equipment list.  
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.



3. Cite indications, contraindications, benefits, hazards, and negative side-effects associated with all therapies applied during this clinical experience.  
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. Observe and explain theoretical basis and application of respiratory care procedures and skills associated with the care of premature infants and children.  
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. Observe and explain theoretical basis and application of the advanced PFT procedures.  
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. Observe and explain theoretical basis and application of procedures associated with alternate site respiratory care including home care, pulmonary rehabilitation, acute long-term ventilatory care, sleep disorders, asthma management, smoking cessation and others.  
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.
7. Perform, according to clinical proficiency and task analysis guidelines, therapy cognate skills including: reporting, chart evaluations, pre and post-therapy patient assessment, therapy evaluation techniques, responding to therapy complications, charting, and others as assigned.  
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.
8. Perform in a neonatal environment, according to clinical proficiency and task analysis guidelines, the following therapies and skills: bronchopulmonary hygiene therapy, blood gas sampling and analysis, care of artificial airways, and others skills as assigned.  
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.
9. Perform, according to clinical proficiency and task analysis guidelines, the following procedures in neonatal/pediatric ICUs: routine ventilator checks, ventilator circuit change, and ventilator preparation and application.  
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.



10. Perform or demonstrate using neonatal patients or models, according to clinical proficiency guidelines, management of CPAP/PEEP therapy and demonstrate requisite performance variables listed in the task analysis.  
*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.
  
11. Perform activities for advanced diagnostic and alternate site venue rotations according to objectives provided by program personnel.  
*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.
  
12. Practice concepts of patient and professional intercommunication skills, especially with physicians, and follow respiratory safety techniques while engaged in all hospital activities.  
*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.
  
13. Perform, according to clinical proficiency and task analysis guidelines, the following procedures in adult ICUs: routine ventilator checks, ventilator preparation and application, airway care, patient transport, and other skills necessary for managing patients in the intensive care environment.  
*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.
  
14. Display acceptable fluency in professional attitudes, ethics, and patient rights as prescribed in the Respiratory Therapy Program Clinical Information Policy and Procedure document.  
*Applies To Program Outcome*
  - C. Exhibit the personal behaviors consistent with professional standards and employer expectations of a competent Registered Respiratory Therapist.

Date Updated: 4/23/19  
By: IA; AP