Course Information

Division: Health Sciences  
Contact Hours: 14  
Off-Campus Clinical Hours: 216  
Total Credits: 4.5

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

Co-requisite
RTH 214 – Adult Critical Care Management

Course Description
This clinical course allows students to expand experiences with the pulmonary management of adult patients on mechanical ventilation. Rotations will be at multi-intensive care unit medical centers in the Detroit, Ann Arbor and Toledo areas. Students will care for critically ill patients under the supervision of clinical instructors and preceptors. Emphasis includes patient assessment, adjustments to settings, and developing a rapid response to changing conditions of a wide variety of diseases and conditions. 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:

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.
B. Demonstrate the ability to perform the clinical and technical skills relevant to his/her role as a Registered Respiratory Therapist.
C. 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:

1. Maintain adequate levels of theoretical knowledge, skill, and affective behaviors as outlined in RTH 111 and RTH 121 objectives.
   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.

2. 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
   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.
Course Outcome Summary

Required Program Core Course

RTH 211 – Respiratory Care
Clinical Practice III

3. Cite indications, contraindications, benefits, hazards, and negative side effects associated with all therapies applied during this 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. 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.

5. Perform, according to clinical proficiency and task analysis guidelines, the following basic critical care procedures: tracheobronchial suctioning (open and closed), airway cuff management, radial artery puncture, and various bedside spirometric measurements, 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.

6. Perform, according to clinical proficiency and task analysis guidelines, the following procedures in adult ICUs: routine ventilator checks, ventilator circuit changes and ventilator preparation and application, 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.

7. Perform or demonstrate, according to clinical proficiency guidelines, initiation of SIMV, PSV, PAV, ATC, or weaning protocol 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.

8. Perform or demonstrate, according to clinical proficiency guidelines, initiation of continuous distending pressure therapy, CPAP, and PEEP, 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.

9. Perform, according to task analysis and clinical proficiency guidelines, patient CLT (static and dynamic) and corrected tidal volumes.
   
   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 calculations associated with alterations in settings for mechanical ventilation based on ABGs and patient data.
    
    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.
Course Outcome Summary

Required Program Core Course

RTH 211 – Respiratory Care
Clinical Practice III

11. Practice concepts of patient and professional intercommunication skills, and 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.

12. 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: 6/21/2017
By: NAP