

Common Course Outline

RESP 104

Clinical Practicum I

3 Credits

Community College of Baltimore County

Description

RESP 104 – Clinical Practicum I is offered concurrently with and integrated with RESP 103. During the practicum fundamental respiratory care procedures are practiced in the laboratory setting and in the clinical setting under supervision of clinical faculty/preceptor. Clinical experiences include application of oxygen therapy, humidity therapy, aerosol therapy, bronchial hygiene techniques, arterial blood gas sampling, high flow oxygen therapy delivery, cardio-pulmonary resuscitation, patient assessment techniques and non-invasive ventilation. Regularly scheduled lectures with the medical director enhance the student's clinical knowledge. Continuous evaluation of skills competencies is required in the clinical environment.

3 Credits: 3 hours laboratory hours per week; 8 hours of clinical per week

Prerequisite: RESP 102

Co-requisite: RESP 103

Overall Course Objectives

Upon completion of this course students will be able to:

1. extend professional behavior to patients and other health care providers;
2. integrate effective communication techniques with patients and other health care providers;
3. review a medical chart to gather pertinent patient information;
4. analyze patient laboratory, imaging, assessment and diagnostic data;
5. determine a respiratory treatment/care plan using respiratory therapy modalities;
6. collect, assemble and perform corrective action for all respiratory therapy equipment;
7. evaluate the effectiveness of a respiratory treatment/care plan;
8. modify a respiratory treatment/care plan;
9. examine evidence-based practice as it relates to respiratory therapy procedures;
10. complete laboratory assignments and patient case studies;
11. perform various fundamental respiratory care modalities in the clinical and laboratory setting;
12. demonstrate organizations skills and time management skills necessary for a patient work assignment in the clinical setting;
13. complete a patient Situation/ Background/ Assessment/ Recommendation;
14. participate in an inter-professional activity;
15. compose and deliver an accurate and concise patient report to other healthcare professionals involved in the patient's treatment plan;

16. document accurate and concise patient data into the hospitals recording system; and
17. reflect on daily experiences/interactions to enhance self-learning.

Major Topics

- I. Arterial Blood Gas techniques
 - A. Allen's test
 - B. Specimen collection
 - C. arterial blood gas classification
- II. Bronchial hygiene techniques
 - A. Suctioning
 - B. Tracheostomy care
 - C. Airway maintenance
 - D. Chest physiotherapy
 - E. Coughing techniques
- III. High Flow Oxygen Therapy
 - A. Airvo 2 interface
 - B. Equipment assembly
- IV. Non-Invasive Positive Pressure Ventilation
 - A. Continuous Positive Airway Pressure (CPAP)
 - B. Bilevel Positive Airway Pressure (BiPAP)
 - C. Alarm setup
 - D. Patient assessment

Course Requirements

Grading procedures will be determined by the individual faculty member but will include the following:

Grading/exams

- A minimum of four laboratory skills tests
- A minimum of four clinical skills tests
- Participation in a minimum of one Inter-professional Activity
- A minimum of one Situation/Background/Assessment/Recommendation (SBAR) assignment
- Weekly clinical/laboratory documentation in specified online management system
- Weekly laboratory assignments
- A comprehensive skill final
- Professionalism
- Participation

Written Assignments: Students are required to use appropriate academic resources and must use appropriate APA format.

Other Course Information

This course is a Respiratory Care Therapy Program core course. This course includes a clinical dress code and travel to various clinical sites. This course encompasses attending laboratory

classes, and clinical rotations at assigned hospitals. This course is offered during the spring semester only.

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