

Common Course Outline

RESP 203

Clinical Practicum III

5 Credits

Community College of Baltimore County

Description

RESP 203 – Clinical Practicum III builds upon the clinical experience of RESP 200, and will continue to refine skills in the adult critical care setting under supervision of clinical faculty/preceptor. This course provides integration of advanced respiratory modalities to include: intubation/extubation techniques, advanced mechanical ventilation management utilizing various mechanical ventilator models, interpretation of ventilator graphics, and airway pressures associated with mechanical ventilation. Regularly scheduled lectures with the medical director to enhance clinical knowledge. Continuous evaluation of skills competencies is required in the clinical environment.

5 Credits: 3 hours of laboratory per week; 16 hours of clinical per week

Prerequisite: RESP 200

Co-requisites: RESP 201 and RESP 202

Overall Course Objectives

Upon completion of this course students will be able to:

1. identify various roles and responsibilities of members of the health care team in various clinical situations;
2. formulate a care plan for adult patient's complex needs requiring intubation and mechanical ventilation;
3. compare and contrast respiratory care plans for patients of diverse populations;
4. differentiate between regular, irregular, and lethal cardiac rhythms;
5. examine evidence-based practice as it relates to respiratory therapy procedures;
6. complete laboratory assignments and patient case studies;
7. perform various ventilator associated respiratory care modalities in the clinical and laboratory setting;
8. analyze acid/base balance related to mechanical ventilation;
9. demonstrate proficiency in management of the mechanical ventilator settings, ventilator graphics, and patient alarms;
10. complete a patient Situation/ Background/ Assessment/ Recommendation;
11. participate in a minimum of one inter-professional activity; and
12. using reflection, critique daily experiences/interactions that illustrate self-directed learning.

Major Topics

- I. Intubation
 - A. Indications
 - B. Procedure/technique
 - C. Hazards
- II. Extubation
 - A. Indications
 - B. Procedure/technique
 - C. Hazards
- III. Classification of mechanical ventilators
 - A. PB 840
 - B. Servo I
 - C. Drager Evita
 - D. Servo U
 - E. Avea
- IV. Advanced airway management
 - A. Endotracheal tube
 - B. Tracheostomy tube
 - C. Cuff pressures
 - D. Patency
- V. Patient-ventilator system care
 - A. Routine ventilator checks
 - B. Documentation of ventilator parameters/alarms
 - C. Ventilator adjustments based on patient assessment

Course Requirements

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

Grading/exams

- A minimum of three laboratory skills test
- A minimum of three clinical skills test
- 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 is part of a program sequence that requires admission to the program. This course includes a clinical dress code and travel to various clinical sites. This course is offered during the spring semester only.

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