RSPT 70B: CLINICAL ROTATION II

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Summer 2025
Units:	8
Hours:	288 laboratory per quarter (288 total per quarter) This is a clinical laboratory course.
Prerequisite:	RSPT 61A and 70A.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Student Learning Outcomes

- Demonstrate proficiency in performing advanced respiratory therapy techniques in critical care
- Apply data to respiratory therapy techniques and the patient's illness.

Description

This course is the second in the series of hospital rotations, focusing on advanced respiratory therapy practices within a clinical environment. Building upon skills acquired in RSPT 70A, students will analyze progressively larger sets of clinical data, linking them to treatment protocols and participating in cardiopulmonary resuscitations. Intended for students in the Respiratory Therapy Program; enrollment is limited to students accepted in the program.

Course Objectives

The student will be able to:

1. Demonstrate the correct technique for performing cardiopulmonary resuscitations.
2. Demonstrate the correct technique for performing chest assessments.
3. Demonstrate the correct technique for performing cardiovascular evaluations.
4. Describe elements of pathophysiology associated with critical care.
5. Demonstrate airway care techniques.
6. Calibrate blood gas analyzers and analyze blood samples.
7. Assist with the drawing of arterial blood samples.
8. Demonstrate correct set up and monitoring of mechanical ventilators.
9. Adjust, troubleshoot, change circuits on mechanical ventilators, and successfully manage two ventilator patients.
10. Recommend appropriate therapies for ventilator patients.
11. Evaluate effects of therapy given to ventilator patients.
12. Appropriately document treatment outcomes and observations of therapy.
13. Demonstrate effective and appropriate communication skills with patients, family members, and hospital staff.
14. Observe and assist with special procedures respiratory patients.
15. Interpret electrocardiograms and arterial blood gas analyses.

Course Content

1. Cardiopulmonary resuscitations
   a. Compression technique
   b. Ventilation technique
2. Assessments
   a. Chest assessment
   b. Assessment of breath sounds
3. Cardiovascular evaluations
   a. ECG
   b. Hemodynamic monitoring
4. Pathophysiology for critical care
   a. Arterial blood gases
   b. Pulmonary function parameters
5. Airway care
   a. Suctioning
   b. Humidity and aerosol therapy
6. Calibration of blood gas analyzers and analysis of blood samples
   a. Analyzer calibration
   b. Arterial blood gas interpretation
7. Arterial blood samples
   a. Arterial punctures
   b. Arterial lines
8. Set up of mechanical ventilators
9. Adjustments, troubleshooting, changing circuits on mechanical ventilators
10. Recommend appropriate therapies
    a. Ventilation therapies
    b. Oxygenation therapies
    c. Humidity and aerosol therapies
    d. Chest physiotherapy
11. Therapy evaluation
    a. Ventilation therapies
    b. Oxygenation therapies
    c. Humidity and aerosol therapies
    d. Chest physiotherapy
12. Documentation of observations and therapies
13. Communication with patients, hospital staff, patient's family members
14. Observation of, and assistance with special procedures
15. Interpret electrocardiograms and arterial blood gas analyses

Lab Content

1. Cardiopulmonary resuscitations
2. Perform assessments
3. Cardiovascular evaluations
4. Pathophysiology for critical care
5. Airway care
6. Calibration of blood gas analyzers and analysis of blood samples
7. Assist with the drawing of arterial blood samples
8. Set up and check mechanical ventilators

9. Adjust, troubleshoot, change circuits on mechanical ventilators, and successfully manage two ventilator patients
10. Recommend appropriate therapies
11. Evaluate effects of therapy
12. Documentation of observations and therapies
13. Communication with patients, hospital staff, patient's family members
14. Observation of, and assistance with special procedures
15. Interpret electrocardiograms and arterial blood gas analyses

Special Facilities and/or Equipment

1. Uniform
2. Name tag
3. Watch with second hand
4. Stethoscope
5. Class will be held in a clinical setting

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

The student will demonstrate competency through the successful completion of checklists and daily evaluations administered by clinical preceptors

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

Clinical performance
Demonstration of clinical skills
Respiratory Therapy competency checklist
Use of case studies or clinical scenarios; integrating communication and cultural differences into our instructional approach
Collaborative activities to foster student reflection and self-assessment

Representative Text(s) and Other Materials

No text required.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

Students are expected to complete ICU worksheets to demonstrate their understanding of each of their patients' conditions and treatments. These worksheets include writing of narratives on the assessment and therapy plan for each patient.

Discipline(s)

Respiratory Technologies