

RSPT 70B: CLINICAL ROTATION II

Foothill College Course Outline of Record

Heading	Value
Units:	8
Hours:	24 laboratory per week (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

Continuation of RSPT 70A with performance of more advanced respiratory therapy techniques. Interpretation of increasing amounts of clinical data and a correlation to applied therapies. Participation 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:

- Correctly perform cardiopulmonary resuscitations.
- Correctly perform chest assessments.
- Correctly perform cardiovascular evaluations.
- Describe elements of pathophysiology associated with critical care.
- Demonstrate airway care techniques.
- Calibrate blood gas analyzers and analyze blood samples.
- Assist with the drawing of arterial blood samples.
- Set-up and check mechanical ventilators.
- Adjust, troubleshoot, change circuits on mechanical ventilators, and be able to successfully manage two ventilator patients.
- Recommend appropriate therapies for ventilator patients.
- Evaluate effects of therapy given to ventilator patients.
- Document observations and therapies.
- Communicate with patients, hospital staff, patient's family members.
- Observe and assist with special procedures.
- Interpret electrocardiograms and arterial blood gas analyses.

Course Content

- Cardiopulmonary resuscitations
 - Compression technique
 - Ventilation technique
- Perform assessments
 - Chest assessment
 - Assessment of breath sounds

- Cardiovascular evaluations
 - ECG
 - Hemodynamic monitoring
- Pathophysiology for critical care
 - Blood gases
 - Pulmonary function parameters
- Airway care
 - Suctioning
 - Humidity and aerosol therapy
- Calibration of blood gas analyzers and analysis of blood samples
 - Analyzer calibration
 - Blood gas interpretation
- Assist with the drawing of arterial blood samples
 - Arterial punctures
 - Arterial lines
- Set-up and check mechanical ventilators
 - Adjust, troubleshoot, change circuits on mechanical ventilators, and be able to successfully manage two ventilator patients
- Recommend appropriate therapies
 - Ventilation therapies
 - Oxygenation therapies
 - Humidity and aerosol therapies
 - Chest physiotherapy
- Evaluate effects of therapy
 - Ventilation therapies
 - Oxygenation therapies
 - Humidity and aerosol therapies
 - Chest physiotherapy
- Documentation of observations and therapies
- Communication with patients, hospital staff, patient's family members
- Observation of, and assistance with special procedures
- Interpret electrocardiograms and arterial blood gas analyses

Lab Content

- Cardiopulmonary resuscitations.
- Perform assessments.
- Cardiovascular evaluations.
- Pathophysiology for critical care.
- Airway care.
- Calibration of blood gas analyzers and analysis of blood samples.
- Assist with the drawing of arterial blood samples.
- Set-up and check mechanical ventilators.
- Adjust, troubleshoot, change circuits on mechanical ventilators, and be able to successfully manage two ventilator patients.
- Recommend appropriate therapies.
- Evaluate effects of therapy.
- Documentation of observations and therapies.
- Communication with patients, hospital staff, patient's family members.
- Observation of, and assistance with special procedures.
- Interpret electrocardiograms and arterial blood gas analyses.

Special Facilities and/or Equipment

- Name tag, watch with second hand, stethoscope.

Method(s) of Evaluation

The student will demonstrate proficiency by successfully completing competency checklists and by daily evaluations conducted by clinical preceptors.

Method(s) of Instruction

- A. Clinical performance
- B. Demonstration of clinical skills

Representative Text(s) and Other Materials

No text required.

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

- A. Students are expected to complete college-developed 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