

# RSPT 57: ORIENTATION TO HOSPITAL & PATIENT CARE II

## Foothill College Course Outline of Record

Heading	Value
<b>Units:</b>	2
<b>Hours:</b>	6 laboratory per week (72 total per quarter) This is a clinical laboratory course.
<b>Degree &amp; Credit Status:</b>	Degree-Applicable Credit Course
<b>Foothill GE:</b>	Non-GE
<b>Transferable:</b>	CSU
<b>Grade Type:</b>	Letter Grade Only
<b>Repeatability:</b>	Not Repeatable

## Description

Application and practice of respiratory therapy skills in the clinical setting, including, but not limited to: floor care modalities, patient assessments, and non-invasive ventilation. 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:

- A. Perform patient assessments
- B. Select appropriate therapy based on patient assessment
- C. Discuss indications for therapy
- D. Perform hyperinflation therapy
- E. Perform bronchial hygiene and chest physiotherapy
- F. Perform aerosol drug therapy
- G. Discuss medications used for airway pharmacology
- H. Assess the need for and selection of appropriate artificial airways
- I. Safely perform endotracheal and nasotracheal suctioning
- J. Discuss indications for non-invasive ventilation
- K. Perform arterial blood sampling

## Course Content

- A. Hyperinflation therapy
  1. Incentive spirometry administration
  2. CPAP administration
  3. Indications, contraindication and hazards for therapy
  4. Methods for evaluating therapy effectiveness
- B. Bronchial hygiene and CPT
  1. Bronchial hygiene techniques:
    - a. Postural drainage
    - b. Directed cough and expulsion techniques
    - c. PEP therapy
    - d. High frequency and oscillation methods
    - e. Mobilization and exercise
  2. Evaluating patient's response to therapy
- C. Aerosol drug therapy and medication used for airway pharmacology
  1. Drug delivery systems
    - a. MDI
    - b. DPI
    - c. Spacers
    - d. SVN

2. Aerosol routes, mode of actions, and classes of drug
3. Selection of appropriate delivery devices
4. Evaluation of therapy effectiveness
- D. Arterial blood gases
  1. Allen's test
  2. Indications/complications/hazards of arterial blood sampling
  3. Obtaining arterial blood samples
- E. Endotracheal and nasotracheal suctioning
  1. Indications for suctioning
  2. Hazards of suctioning
  3. Oropharyngeal, nasopharyngeal, tracheostomy suction procedures
  4. Adult vs. child vs. infant suctioning
  5. Methods of evaluating effectiveness
- F. Selection of an artificial airway
  1. Oropharyngeal airway
  2. Nasopharyngeal airway
- G. Indications for non-invasive ventilation
  1. Indications of NPPV
  2. Selection of patients for NPPV
  3. Selection of appropriate delivery device to deliver NPPV
  4. Complications/hazards associated with NPPV
  5. Appropriate interface selection

## Lab Content

- A. Hyperinflation therapy
  1. Incentive spirometry administration
  2. CPAP administration
  3. Indications, contraindication and hazards for therapy
  4. Methods for evaluating therapy effectiveness
- B. Bronchial hygiene and CPT
  1. Bronchial hygiene techniques:
    - a. Postural drainage
    - b. Directed cough and expulsion techniques
    - c. PEP therapy
    - d. High frequency and oscillation methods
    - e. Mobilization and exercise
  2. Evaluating patient's response to therapy
- C. Aerosol drug therapy and medication used for airway pharmacology
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- D. Arterial blood gases
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  1. Indications for suctioning
  2. Hazards of suctioning
  3. Oropharyngeal, nasopharyngeal, tracheostomy suction procedures
  4. Adult vs. child vs. infant suctioning
  5. Methods of evaluating effectiveness
- F. Selection of an artificial airway
  1. Oropharyngeal airway
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- G. Indications for non-invasive ventilation
  1. Indications of NPPV

2. Selection of patients for NPPV
3. Selection of appropriate delivery device to deliver NPPV
4. Complications/hazards associated with NPPV
5. Appropriate interface selection

## **Special Facilities and/or Equipment**

- A. Students rotate through clinical affiliate accredited hospitals.

## **Method(s) of Evaluation**

Methods of evaluation may include but are not limited to:

- A. Student daily evaluations
- B. Trajesys reporting system
- C. Clinical instructor observations
- D. Case studies

## **Method(s) of Instruction**

Methods of instruction include but are not limited to:

- A. Demonstration
- B. Discussion
- C. Lab competencies as demonstrated in skills

## **Representative Text(s) and Other Materials**

There are no textbooks for this course.

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

- A. Students are expected to complete college-developed ICU Competencies to demonstrate their understanding of each of their patient's conditions, interventions, and treatments. Competency demonstration includes return demonstration, medical record documentation, and verbal narratives on patient assessment, delivery of respiratory modalities, and the development of patient care plans and therapy plan for each patient.

## **Discipline(s)**

Respiratory Technologies