

RSPT 55E: MEDIATED STUDIES IN RESPIRATORY THERAPY V

Foothill College Course Outline of Record

Heading	Value
Units:	0.5
Hours:	2 laboratory per week (24 total per quarter)
Prerequisite:	RSPT 55D.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Student Learning Outcomes

- Identifies and chooses the correct laboratory tests that lead to proper treatment in the clinical simulation scenarios.
- Student will be able to recognize hemodynamic waveforms.

Description

Fifth of seven courses paralleling content taught in courses in the Respiratory Therapy Program. Topics include neonatal and pediatric diseases, ECG and hemodynamic monitoring. Develop and strengthen concepts taught in the concurrent lecture and laboratory sessions of the program. Media materials will provide an alternative learning resource for non-traditional students. 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. Demonstrate and describe the following skills:
- Extreme prematurity
 - Neonatal transport
 - Patent ductus arteriosus
 - Persistent pulmonary hypertension
 - Pulmonary interstitial emphysema
 - Electrocardiography part I, II and III
 - Hemodynamic monitoring part I, II and III

Course Content

- Extreme prematurity clinical simulation
- Neonatal transport clinical simulation
- Patent ductus arteriosus clinical simulation
- Persistent pulmonary hypertension clinical simulation
- Pulmonary interstitial emphysema clinical simulation
- Electrocardiography
 - Cardiac electrophysiology and the ECG
 - Basic arrhythmia recognition
 - Advanced arrhythmia recognition
- Hemodynamic monitoring
 - Waveform recognition
 - Clinical application

- Continuous SvO₂ monitoring

Lab Content

- Extreme prematurity
- Neonatal transport
- Patent ductus arteriosus
- Persistent pulmonary hypertension
- Pulmonary interstitial emphysema
- Electrocardiography part I, II and III
- Hemodynamic monitoring part I, II and III

Special Facilities and/or Equipment

- Computer and a network printer.

Method(s) of Evaluation

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

- Computer administered and scored examinations.
- Quizzes.

Method(s) of Instruction

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

- Computer based learning.

Representative Text(s) and Other Materials

Kacmarek, Stoller, and Heuer. [Mosby's Respiratory Care Online for Egan's Fundamentals of Respiratory Care](#). 2nd ed. St. Louis: C.V. Mosby Co., 2013. ISBN 9780323084932

Although this text is older than the suggested "5 years or newer" standard, it remains a seminal text in this area of study.

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

- Interactive computer modules.

Discipline(s)

Respiratory Technologies