

RSPT 82: ORIENTATION TO INTERVENTIONAL PULMONOLOGY

Foothill College Course Outline of Record

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

Student Learning Outcomes

- Students will be able to define interventional pulmonology.
- Students will be able to describe the evolution and current status of interventional pulmonology.

Description

Orientation and overview of interventional pulmonology as a respiratory care specialty.

Course Objectives

The student will be able to:

- Define interventional pulmonology
- Describe the evolution of interventional pulmonology
- Describe the current and future status of interventional pulmonology
- Describe education and training in interventional pulmonology
- Define medical terminology related to interventional pulmonology procedures
- Describe patient monitoring during interventional pulmonology procedures
- Describe general infection control and universal precautions
- Describe radiation protection

Course Content

- Interventional pulmonology
 - Definition of interventional pulmonology
- Evolution of interventional pulmonology
 - Development of interventional pulmonology
 - The development of the first endoscopes
 - The invention of bronchoscopy
 - The rigid bronchoscope
 - The flexible bronchoscope
 - Technical developments
 - Illumination
 - Documentation using media
 - Simulation models
- Current and future status of interventional pulmonology
 - Interventional pulmonology, 1980s, 1990s and 2000s
 - Future projections in interventional pulmonology
- Education and training in the field of interventional pulmonology

- Current medical fellowship programs for pulmonologists
- Medical terminology
 - Medicine and specialties related to interventional pulmonology
 - Related diagnostic, therapeutic and surgical terms associated with interventional pulmonology
 - Related body systems associated with interventional pulmonology
 - Diseases and disorders associated with interventional pulmonology
- Patient monitoring
 - Vital signs
 - Review of ECG monitoring
 - Pulse oximetry review
 - Capnometry review
 - Hemodynamic monitoring
- Infection control and universal precaution
 - Medical asepsis
 - Universal precautions
 - Isolation procedures
- Radiation protection during procedures
 - Therapist protection from radiation exposure
 - Aprons
 - Shields
 - Dosimeters
 - Closing doors during procedures
 - Safety precautions

Lab Content

Not applicable.

Special Facilities and/or Equipment

- Multimedia classroom
- Computer access for online CANVAS component

Method(s) of Evaluation

Methods of evaluation may include, but are not limited to: quizzes, midterm, and a comprehensive final examination for content, terminology, and knowledge of subject matter.

Method(s) of Instruction

Methods of instruction may include, but are not limited to: lecture, discussion, online modules, and tutorials.

Representative Text(s) and Other Materials

Ernst and Herth. *Principles and Practice of Interventional Pulmonology*. New York: Springer Publishing, 2013. ISBN: 9781461442912 (This is a seminal textbook in this area of study)

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

Types of required reading and writing may include, but are not limited to: weekly reading from the textbook, cooperative learning exercises and online content.

Discipline(s)

Respiratory Technologies