



Specialities in Respiratory Care (RSPT 2147)

Credit: 1 semester credit (1 hour lecture, 1 hour lab)

Prerequisite: RSPT 2414, RSPT 1141, RSPT 2255, RSPT 2361,

Course Description

Emerging and specialty practices in respiratory care.

Required Textbook and Materials

Fundamentals of Respiratory Care: by Egan
ISBN: 978-0-323-03657-3

NBRC Matrix

Course Objectives:

- Delineate the respiratory therapists' role in emerging and specialty practices.
- Applies text book learning plans, the theory, concepts and skills that are involved in the use of specialized diagnostic areas and disease management.
- Explains the role of the respiratory therapist in special diagnostic areas.
- Maintains patient confidentiality by practicing regulations, laws and HIPPA standards.
- Works as a team member.
- Demonstrates appropriate written and verbal communication skills by using the correct terminology of the medical profession.

Course Outline:

I. Adult Critical Care Specialist

- A. The role of the Respiratory Therapist in Respiratory critical care.
- B. The role of the Respiratory Therapist in general critical care.
- C. The content outlined by the National Board of Respiratory Care for the Adult Critical Care Specialist Exam.
- D. Take the ACCS exam.

II. Diagnostics

- A. The role of the Certified Pulmonary Function Technician.
- B. The role of the Registered Pulmonary Function Technician.
- C. The content outlined by the National Board of Respiratory Care for the Certified Pulmonary Function Technician (CPFT) specialist exam.
- D. The content outlined by the National Board of Respiratory Care for the Registered Pulmonary Function Technician (RPFT) specialist exam.
- E. Take the CPFT and RPFT exams.

III. Neonatal Pediatric Specialist (NPS)

- A. The roles of the RT and the other team members in the Neonatal and Pediatric Intensive Care Units.
- B. The content outlined by the national Board of Respiratory Care for the Neonatal Pediatric Specialist exam.
- C. Take the Neonatal Pediatric Specialty practice exam.

IV. Sleep Disorder Specialist (CRT-SDS, RRT-SDS)

- A. The roles of the Sleep Disorder Specialist and other team members.
- B. The role of the Polysomnography Scorer.
- C. The content outlined by the National Board of Respiratory Care for the Sleep Disordered Specialist exam.
- D. Take the Sleep Disorder Specialty practice exam.

V. Management

- A. The role of the Respiratory Care Department manager.
- B. The role of the respiratory therapy supervisor.
- C. The role of the lead therapists.

VI. Assisting the physician

- A. Discuss the role acting as the assistant to the physician for the following procedures:
 - 1. Intubation
 - 2. Bronchoscopy
 - 3. Thoracentesis
 - 4. Tracheostomy
 - 5. Chest Tube Insertion
 - 6. Insertion of venous or arterial catheters
 - 7. Moderate (conscious) sedation
 - 8. Cardioversion
 - 9. Ultrasound

VII. Transport Therapist

- A. The role of the transport therapist by land.
- B. The role of the transport therapist by helicopter
- C. The role of the transport therapist by non-pressurized /pressurized airplane.

VIII. Hyperbaric Medicine

- A. The role of the hyperbaric Respiratory Therapist and the other team members.

IX. Disease management

- A. The aspects of asthma education, and the role of the asthma educator.
- B. The content outlined by the National Asthma Educator Board for the Certified Asthma Educator (AE-C) exam.
- C. Take the Certified Asthma Educator practice exam.
- D. The aspects of COPD education, and the role of the COPD educator.
- E. The Tobacco Treatment Specialist certification (CTTS) exam.
- F. Education
- G. Present a disease presentation with a disease that is outlined in the *National Board for Respiratory Care Clinical Simulation Examination matrix in a PowerPoint format.*

Grade Scale

- A = 93 – 100 %
- B = 85 - 92 %
- C = 77 - 84 %
- D = 68 - 75 %
- F = less than 68 %

Course Evaluation

Exams	70%
Attendance	10%
<u>Presentation</u>	<u>20%</u>
	100%

Course requirements:

- 1. You must attend class
- 2. No late work will be accepted
- 3. Assisting the physician presentation
- 4. Seven exams

Course Policies

Attendance – If you do not attend class you are missing some very valuable information. Test will include both textbook material and anything mentioned in class. There will be a sign in and sign out sheet for each class. You are allowed two absences.

Absences

According to LIT policy students with approved absences shall be allowed to make up examinations and written assignments without penalty. This privilege does not extend to unapproved absences. The determination of whether an absence is excused or approved is the responsibility of the instructor, except in the case of approved absence for an Institute-sponsored

activity. If absences seriously interfere with performance the instructor may recommend to the Department Chair that the student be dropped from the course. You may be asked to present documentation to the instructor as to why the absence was necessary for the next class meeting that you attend, (i.e. doctor excuse, funeral pamphlet, note from child's doctor, etc.).

Class Roll

Class roll will be taken on the first and fourth class days. If your name is not on the class roster on the fourth class day, you will be asked to leave class until this matter is taken care of.

Remediation-Refer to Respiratory Care Student Handbook

Classroom Behavior

No eating, no drinking, turn off beepers, turn off cell phones, no texting, no disruptive behavior, and no children allowed in class please!

During exams please put all of your belongings that include electronic devices against a wall in the classroom. If you have an electronic device out, then you will receive a zero on that exam. If you are caught cheating, then this can result in being dismissed from the program.

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office located in the Cecil Beeson Building.

Student Code of Conduct Statement

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu or obtained in print upon request at the Student Services Office. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document