

**Bossier Parish Community College**  
**Master Syllabus**

**Course Prefix and Number:** RSTH 220

**Credit Hours:** 3

**Course Title:** Pulmonary Disease

**Course Prerequisites:** RSTH 203

**Textbooks:** Kacmarek, R., Stoller, J., & Heuer, A. (2016). EGAN'S Fundamentals of Respiratory Care (latest edition): Elsevier.

**Course Description:**

This course is designed to provide the student with an understanding of the epidemiology, etiology, pathophysiology, clinical manifestations, diagnostic and management techniques of the more prevalent pulmonary diseases. Enrollment in Respiratory Therapy courses is limited to students who have applied, been interviewed and have been selected for the Respiratory Therapy clinical program.

**Learning Outcomes:**

At the end of this course the student will:

- A. relate etiology and pathophysiology to pulmonary diseases with a general appreciation of the impact on the cardiopulmonary system;
- B. appreciate clinical manifestations of pulmonary disease with emphasis on diagnostic in order to appropriately determine therapeutic interventions; and
- C. demonstrate the ability to utilize technology to locate current information on an approved topic and produce a written report.

To achieve the learning outcomes, the student will

- 1. review data in patient record to determine diagnosis and treatment of lung diseases or disorders based on patient history, physical exam, and diagnostic data. (A, B)
- 2. explain the different components of chronic obstructive pulmonary disease (A)
- 3. differentiate clinical manifestations of pulmonary diseases (A, B)
- 4. list various environmental lung hazards (A, B)
- 5. describe the effects of smoking and second-hand smoke and understand the methods of patient education relating to smoking cessation (A,B)
- 6. recognize prevalent pulmonary problems found in the neonate and pediatric populations (A,B)
- 7. discuss, classify, and differentiate between various types of lung disease and recommend respiratory therapy interventions to treat or manage them (A,B)
- 8. recognize, diagnose and recommend treatment for sleep disorders (A,B)
- 9. recognize potential pulmonary complications post surgery and modify respiratory therapy to optimize recovery (A,B)

10. locate anatomical landmarks, various structures, and pathological signs on chest radiograph, CT, and MRI scans (B)
11. identify abnormal findings on chest radiograph, CT, and MRI scans and determine medical intervention necessary to treat condition (B)

**Course Requirements:** To earn a grade of “C” or higher the student must earn 70% of the total points for the course and meet all of the following course requirements.

- minimum overall average of 70% in the course
- successful completion of a research paper based upon a prior-approved topic

**Course Grading Scale:**

- A- 90% or more of total possible points from exams, quizzes, article review, presentations and assignments
- B- 80% or more of total possible points from exams, quizzes, article review, presentations and assignments
- C- 70% or more of total possible points from exams, quizzes, article review, presentations and assignments
- D- less than 70% of total possible points but not less than 60% of total possible points and/or failure to complete the prior-approved article review and presentation
- F- less than 60% of total possible points and/or failure to complete the prior-approved article review and presentation

**Attendance Policy:**

The college attendance policy, which is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>, allows that “more restrictive attendance requirements may apply to some specialized classes such as laboratory, activity, and clinical courses because of the nature of those courses.” The attendance policy of the Respiratory Therapy program is described in the Respiratory Therapy Clinical Handbook.

**Nondiscrimination Statement**

Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

Angie Cao, Student and Disability Services Specialist  
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318-678-6511

[acao@bpcc.edu](mailto:acao@bpcc.edu)

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator  
Teri Bashara, Director of Human Resources  
Human Resources Office, A-105  
6220 East Texas Street  
Bossier City, LA 71111  
Phone: 318-678-6056  
Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Reviewed by J. Anderson, August 2019