

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

**Course Prefix and Number:** RSTH 291

**Credit Hours:** 2

**Course Title:** Cardiopulmonary Rehabilitation

**Course Prerequisites:** RSTH 221, RSTH 225, RSTH 235, RSTH 270, RSTH 275

**Textbook:** AACVPR; Guidelines for Pulmonary Rehabilitation Programs, latest edition.

**Course Description:**

This course is designed to provide the respiratory therapy student an introduction to the cardiopulmonary rehabilitation and home care of patients with chronic cardiopulmonary 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 be able to:

- A. appropriately select and manage the patient with chronic lung disease in cardiopulmonary rehabilitation; and
- B. select and implement long term treatment plans for patients with chronic lung diseases to include homecare.

To achieve the learning outcomes, the student will:

1. determine appropriate type of cardiopulmonary rehabilitation for chronic lung disease patients (A, B)
2. define concept of cardiopulmonary rehabilitation (A)
3. list the disease states that should be considered as appropriate for cardiopulmonary rehab (A)
4. explain the importance of early identification of patient with chronic respiratory disease who can benefit from cardiopulmonary rehabilitation (A)
5. explain the consequence of exercise and increase ventilatory demand on pulmonary mechanics (A)
6. describe methods of measuring dyspnea (A, B)
7. identify the benefits and expected outcomes of exercise therapy in cardiopulmonary rehabilitation (A)
8. determine appropriate cardiopulmonary rehabilitation prescription for patients with various types of lung disease including frequency (times per week or session), intensity, time (duration) and type (mode of exercise) (A)
9. discuss ways to properly monitor patients during cardiopulmonary rehabilitation including cardiac, vital signs, oxygenation and work of breath (A)

10. explain the appropriate use and benefit of long term oxygen therapy (A, B)
11. identify strategies for patient education (A, B)
12. identify the respiratory therapy needs of patients in home care settings (B)
13. implement respiratory therapy in the home care setting (B)
14. discuss current reimbursement guidelines for types of respiratory therapy in the home care setting (B)
15. discuss and perform a 6 minute walk test (A)
16. be able to titrate oxygen administration with exercise (A)

**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 average of 70% overall in the course

**Course Grading Scale:**

- A- 90% or more of total possible points
- B- 80% or more of total possible points
- C- 70% or more of total possible points
- D- less than 70% of total possible points but not less than 60% of total possible points
- F- less than 60% of total possible points

**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  
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Phone: 318-678-6056  
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Reviewed by J. Danzy, March 2019