

**University of Texas Medical Branch
Respiratory Care Department
RESC 3413 Pathophysiology and Patient Assessment
Course Syllabus – Fall 2009**

Instructors: Joy Powell, RRT-NPS

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Course Description: 4 credits

This introductory course provides the student an opportunity to obtain knowledge, skills, and practice related to patient assessment, patient care plans, and the pathophysiology of cardiopulmonary diseases. Students will have the opportunity to: 1) review patients' charts and correctly interpret data obtained from the history, physical examination, laboratory test results, and progress notes; 2) describe the similarities and differences in obstructive and restrictive pulmonary diseases; 3) describe the pathophysiological processes of common pulmonary diseases; 4) differentiate between disease processes on the basis of clinical manifestations and laboratory findings; 5) identify the physiological manifestations of specific disease states; and 6) evaluate acutely and chronically ill patients based on laboratory findings, physical examination, chest X-ray findings, and pulmonary function studies.

Course Objectives:

1. Describe the importance of properly obtaining and recording a patient history in assessing a patient with cardiopulmonary disorders.
2. Describe the components of the physical exam and their significance in assessing a patient with cardiopulmonary disorders.
3. Describe and interpret how blood gas values and other pertinent laboratory data are affected by cardiopulmonary disorders.
4. Compare and contrast obstructive and restrictive lung disease.
5. Describe the pathophysiologic manifestations of various cardiopulmonary disorders (including but not limited to, COPD, asthma, pneumonia, cystic fibrosis, pulmonary fibrosis, congestive heart failure, pulmonary embolism, and tuberculosis)

Required Course Materials:

Des Jardins T and Burton GG, Clinical Manifestations and Assessment of Respiratory Disease. 5th Ed.

Evaluation: Grades for the course are derived as follows:

Presentation	20%
Quizzes	20%
Module examinations (4)	30%
Final examination (Comprehensive)	30%

Letter grades are assigned according to the total points accrued for the course as follows:

90-100 points	=	A
80-89 points	=	B
70-79 points	=	C
60-69 points	=	D
Below 60 points	=	F

Course Policies: The minimum passing score for this course is 70.

Academic Progress: Information regarding the Student's academic progress in this course will be shared with their Academic Advisor and/or Department Chair. Student's making unsatisfactory progress may be referred to the Office of Student Affairs for assistance.

University Statement on Equality, Tolerance and Affirmative Action:

Please indicate by the end of the 2nd week of the course if you will need accommodations under the Americans with Disabilities Act (Public Law 101-336). If the need for ADA accommodations should arise during the semester you will need to make your request known to the ADA Coordinator in the Office of Student Affairs

Academic Integrity:

Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, and any act designed to give unfair advantage to a student or the attempt to commit such an act.

Procedures to be followed in the event of alleged academic dishonesty are described the Rules and Regulations of the Board of Regents of The University of Texas System, and the SAHS Student Handbook found at <http://www.sahs.edu>. Alleged academic dishonesty issues should be reported to the Associate Dean for Student Affairs.

Course Evaluations:

Students will be given the opportunity to evaluate the performance of the instructor and course near the end of the course/semester. When submitting course evaluations students must follow the guidelines provided by the course instructor or department.

Tentative Schedule

Week 1	Chapters 1-2
Week 2	Chapters 3-5
Week 3	Exam 1
Week 4	Chapters 6-8
Week 5	Chapters 9-10
Week 6	Exam 2
Week 7	Chapters 11-14,23
Week 8	Chapters 15,17
Week 9	Exam 3
Week 10	Chapters 19-22
Week 11	Chapters 24-26
Week 12	Exam 4
Week 13	Chapters 27-31, 45
Week 14	PRESENTATIONS
Week 15	Final Exam

***Research Presentation:**

Each student will prepare a research presentation/oral report concerning a respiratory disease that will be assigned by the instructor during the second week. This presentation must incorporate the pathophysiology, prevention, pharmacological treatment, and therapeutic interventions of this disease process. This presentation must be **cited** and contain a **reference page** with a minimum of **five references** (APA format) as follows: two (2) books (not classroom textbooks), two (2) periodicals (medical journals) and one (1) on-line internet references (Web site). These web pages must be official support group pages such as Lung Association pages or pages associated with a hospital/clinic or peer-reviewed web pages. It is acceptable to use your textbooks in addition to the above types of references.

The oral reports will be presented on DECEMBER 02, 2009

The purpose the oral report is to aid the student in developing oral communication skills and self-confidence with his/her verbal skills.

Grading of Oral Reports:

1. **Content of topic – discussion should include:..... 75%**
 - Pathophysiology
 - Risk factors
 - Complications
 - Treatments/preventative measures
- 2.

Presentation.....25%

- Slide layout and font: are they easy to read
- Do they flow well?
- Please make sure you don't use any non-standardized abbreviations.
- Did you use correct spelling and proper grammar?