

Respiratory Pathophysiology

Resp 3563

Spring 2020

Instructor

Instructor Mary Sue Owen MS, RRT-NPS, RRT-ACCS, RPFT, AE-C Phone Office 940-397-4654

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Office Hours By appointment

Weekly Meeting Pattern:

Monday, Tuesday, Wednesday, Thursday: 8:00-9:15

Centennial 250

Required Text:

DesJardins T, Burton GG. Clinical Manifestations and Assessment of Respiratory Disease, Eighth Edition, Mosby 2020.

Recommended Text:

Kacmarek, RM, Wilkens RL, Stoller JK. Egan's Fundamentals of Respiratory Care, Eleventh Edition, Mosby 20.

Course Description:

The focus of this lecture course is to review the etiology, pathology, pathophysiology, clinical features, and treatments for common pulmonary diseases. Disease topics include asthma, bronchitis, emphysema, cystic fibrosis, shock, pulmonary embolism, heart failure, smoke inhalation and burns, ARDS, chest trauma, atelectasis, neuromuscular disease, and pneumonia.

Objectives:

Upon completion of this course, the student will be able to:

- Identify etiology, pathology, pathophysiology and clinical features associated with common respiratory disease processes.
- Demonstrate ability to apply appropriate therapeutic interventions for each identified pathophysiological process.

Attendance Policy:

Regular class attendance is required. No distinction is made between excused and unexcused absences unless the absence has been cleared through the office of the Dean of Students, Athletic Department, or Academic Affairs. If a student misses lecture, it is the student's responsibility to work with other class members to determine what material was missed. Please refer to the MSU Student Handbook for more information.

American with Disabilities Act (ADA):

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Support Services in Room 168 of the Clark Student Center, 397-4140.

Please see the instructor outside of class to make any arrangements involving special accommodations. It is the student's responsibility to declare any disabilities. After declaration, preferably at the beginning of each semester, the student needs to contact individual instructors to determine any reasonable accommodations that may be required.

Student Honor Creed:

"As an MSU Student, I pledge not to lie, cheat, steal, or help anyone else do so."

As students at MSU, we recognize that any great society must be composed of empowered, responsible citizens. We also recognize universities play an important role in helping mold these responsible citizens. We believe students themselves play an important part in developing responsible citizenship by maintaining a community where integrity and honorable character are the norm, not the exception.

Thus, we, the Students of Midwestern State University, resolve to uphold the honor of the University by affirming our commitment to complete academic honesty. We resolve not only to be honest but also to hold our peers accountable for complete honesty in all university matters.

We consider it dishonest to ask for, give, or receive help in examinations or quizzes, to use any unauthorized material in examinations, or to present, as one's own, work or ideas which are not entirely one's own. We recognize that any instructor has the right to expect that all student work is honest, original work. We accept and acknowledge that responsibility for lying, cheating, stealing, plagiarism, and other forms of academic dishonesty fundamentally rests within each individual student.

We expect of ourselves academic integrity, personal professionalism, and ethical character. We appreciate steps taken by University officials to protect the honor of the University against any who would disgrace the MSU student body by violating the spirit of this creed.

Approximate Grading Scale:

Grades

A	90-100%
B	80-89%
C	75-79%
D	60-74%
F	< 60%

**A minimum grade of 75 (C) is required in all respiratory courses. Failure to attain a minimum grade of C will prevent the student from progressing in the program.

Grade Items and Grade Determination:

Lecture exams	60%
Soap notes	10%
Project	10%
Final exam	20%

Missed Homework/Exam Policy:

Each student should make every effort to ensure that all assignments are submitted in a timely manner. A 10% reductions will be taken for each day after the scheduled due date for the assignment. If a student is going to miss an examination, it is the student's responsibility to contact the instructor prior to the exam to arrange with the instructor to make up the missed exam. A 15% reduction will be taken for each day (weekends and holidays included) after the scheduled exam date. The professor reserves the right to make unscheduled exams essay in nature and considerably more challenging.

Approximate lecture schedule

Week Date Reference	Topic Assignments	Text
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1	January 20	Martin Luther King Day		
	January 21	Syllabus		
	January 22	PFT/ABG	Ch. 4, 5	
	January 23	Oxygenation	Ch. 6	
2	January 27	Cardiovascular	Ch. 7	
	January 28	X-ray/Tests	Ch. 8, 9	
	January 29	Atelectasis/soap notes	Ch. 17	Soap note #1 due
	January 30	Exam 1		
3	February 3	COPD: Chronic bronchitis	Ch. 13	
	February 4	Emphysema		
	February 5	Asthma	Ch. 14	
	February 6	Exam 2		
4/5 2/23	February 10-21	Clinical		Soap note #2 due
6	February 24	ARDS/Guillain Barre	Ch. 28, 29	
	February 25	Myasthenia Gravis	Ch. 30	
	February 26	Exam 3		
	February 27	Bronchiectasis	Ch. 16	
7	March 2	Pneumonia	Ch. 18	
	March 3	Lung Abscess	Ch. 18	
	March 4	Exam 4		
	March 5	Tuberculosis	Ch. 19	
8	March 9-13	Clinical		
9	March 16-20	Spring Break		
10	March 23-27	Clinic		Soap note #3 due 3/29
11	March 30	Fungal Disease	Ch. 18	Midterm Reviews 2:00p.m.
	March 31	Pulmonary Edema	Ch. 20	
	April 1	Exam 5		
	April 2	Pulmonary Embolism	Ch. 21	

12	April 6	Flail Chest/Pneumothorax	Ch. 22, 23	
	April 7	Pleural Effusion/Empyema	Ch. 24	
	April 8	Exam 6		
	April 9	Easter Break		
13	April 13	Kyphoscoliosis	Ch. 25	
	April 14	Interstitial Lung Dz	Ch. 27	
	April 15	Lung Cancer	Ch. 26	
	April 16	Exam 7		
14/15	April 20-May 1	Clinical		Soap note #4 due 5/3
16	May 4	Near Drowning/Smoke inh	Ch. 44, 45	
	May 5	Smoke inhalation cont.		
	May 6	Project day with Mrs. Judie		
	May 7	Clinical Case Studies		
17	May 11	Finals 0800		