

Respiratory Pathophysiology

Resp 3563 Fall 2026

Contact Information

- Instructor: Mary Sue Owen, MS, RRT-NPS, RRT-ACCS, RPFT, AE-C
- Office Phone: 940-397-4654
- Office: Centennial Hall 420F
- Office Hours: By appointment
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Weekly Meeting Pattern:

Tuesday/Thursday 10:30-12:50

Required Text:

DesJardins T, Burton GG. Clinical Manifestations and Assessment of Respiratory Disease, Ninth Edition, Mosby 2024.

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. There will be no place for any smart device: watch, phone, glasses, etc.

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:

Letter Grade	Percent
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:

Assignment	Percent
Lecture exams	70%
Soap notes	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

Date	Topic	Chapter	Assignments
August 25	PFT, ABG	4-5	
August 27	Oxygenation, Cardio, Radiologic, Diagnostic Tests, Atelectasis	6-9, 17	
September 1	Test 1		Soap note #1
September 3	COPD, Asthma	13-14	
September 8	Test 2		
September 10	ARDS, GB, MG	28-30	
September 15	Test 3		
September 17	Bronchiectasis, Pneumonia	16,18	
September 22	Test 4		
September 24	TB, pulmonary edema		
September 28-October 23	Clinic	Clinic	Soap note #2 Oct 11 Soap note #3 Oct 25
October 27	Test 5		
October 29	Pulm embolism, flail chest, pneumothorax, pleural effusion, empyema	21-24	
November 3	Test 6		
November 5	Kyphoscoliosis, interstitial lung dz. Lung cancer	25-27	
Nov 9-20	Clinic	Clinic	Soap note #4 Nov 22
November 24	Test 7		
December 1	Near drowning, smoke inhalation	44-45	
December 3	Review for final		