

Midland College
Syllabus
RSPT 2310
Cardiopulmonary Disease
(3-0-0)

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Course Description: A discussion of pathogenesis, pathology, diagnosis, history, prognosis, manifestations, treatment, and detection of cardiopulmonary diseases.

Text, References, and Supplies: Textbooks

Des Jardins, Clinical Manifestations & Assessments of Respiratory Disease. 7th Edition. Mosby. 2016

Burton, Respiratory Care - A Guide to Clinical Practice. 4th Edition. Lippincott. 1997.

Farzan, A Concise Handbook of Respiratory Diseases. 4th Edition. Appleton & Lange. 1997.

Kacmarek, The Essentials of Respiratory Care, 4th Edition. Mosby. 2005.

Kacmarek, Stoller, Heuer, Egan's Fundamentals of Respiratory Care. 11th Edition. Mosby/Elsevier. 2017.

Students MUST actively participate by completing an academic assignment required by the instructor by the official census date. Students who do not actively participate in an academically-related activity will be reported as never attended and dropped from the course.

Course Goals/Objectives: The following list of course goals will be addressed in the course. These goals are directly related to the performance objectives (Addendum A).

1. Describe and employ history and physical examination techniques on patients with pulmonary problems.
2. Describe diagnostic methods related to respiratory disease (PFT, ABG, O₂ assessment, CV assessment, CXR, other diagnostic tests).
3. Discuss Therapist Driven Protocols (TDP) and the role of the Respiratory Care Practitioner
4. List definition, etiology, general pathological changes, clinical manifestations, diagnostics, and management for each of the diseases listed in the categories below:
 - A. Obstructive Lung Disease
 - B. Infectious Pulmonary Diseases
 - C. Pulmonary Vascular Diseases
 - D. Chest and Pleural Trauma

- E. Disorders of the Pleura and of the Chest Wall
- F. Environmental Lung Disease
- G. Neoplastic Disease
- H. Diffuse Alveolar Disease
 - I. Neurologic Disorders and Sleep Apnea
- J. Newborn and Early Childhood Respiratory Disorders
- K. Other Important Topics

Student Contributions and

Each student will spend at least 6 hours per week preparing for class. Attendance is critical in this class. The college attendance policy will be followed.

Class Policies:

All classroom performance and behavior will be considered academic.

Evaluation of Students:

A minimum of four (4) tests will be given including a comprehensive final (unless otherwise designated by the instructor). The final exam will carry the same weight as other exams (not quizzes). Weekly quizzes will be averaged and will equal one exam. Test questions will come from lecture, reading assignments and homework assignments. Most tests will be objective in nature.

1.	Tests (minimum of four)	400 points
2.	Quiz average	100 points
3.	Attendance, participation and attitude	62.5 points
4.	Term project or paper(10%)	62.5 points
	Total points	625 points

A = 560+ points B= 497+ points C= 435+ points

Term Project

Term Project or Multimedia Project

Term Project

1. The subject of the project is to be chosen by the student with the approval of the instructor. The subject must fall within the area of course study.
2. The project is to be a minimum of a title page, body copy of seven (7) pages typed, double spaced, and a bibliography with a minimum of four (4) references (only one of which will come from the Internet). Use appropriate APA referencing.
3. Suggested form: an acceptable college level research style (check with Learning Resource Center personnel or the English Department Faculty). All papers must be typed on a word processor unless otherwise stipulated by the instructor.

NOTE: Take time to write a good paper because you may be able to submit that paper for a scholarship!!

Multimedia Project

The multimedia project will be a PowerPoint presentation (or equivalent) created by individuals. It will address the definition, etiology, pathophysiology, clinical presentation, and treatment of a respiratory disease previously approved by the instructor. It will include graphics and audio, proper uses of multimedia slides, stimulate higher order discussion between the audience and the presenters, and have accurate references. A rubric will be provided that addresses the grading of the project.

Course Schedule:

The class meets for 3 lecture hours per week. Wednesdays from 1:00 – 4:00 pm

Licensure Eligibility Notification

Completion of Midland College degrees and/or certificates does not guarantee eligibility to take a certification/registry/licensure examination. The eligibility of each person is determined on an individual basis by the regulatory body of the specific discipline. If you have a conviction of a crime other than a minor traffic violation, physical or mental disability/illness, hospitalization/treatment for chemical dependency within the past five years, current intemperate use of drugs or alcohol or a previous denial of a licensure or action by a licensing authority, you will need to contact the specific regulatory body for an individual ruling. Some programs require a criminal background check and urine and drug screen.

AMERICANS WITH DISABILITIES ACT (ADA):

The Americans With Disabilities Act (ADA) and Section 504 of the Rehabilitation Act require that no otherwise qualified person with a disability be denied access to, or the benefits of, or be subjected to discrimination of any program or activity provided by an institution or entity receiving federal financial assistance. It is this Section 504 mandate that has promoted the development of disability support service programs in colleges and universities across the country. Sub-part E of Section 504 deals specifically with this mandate for institutions of higher education.

While it does not require development of special educational programming, for students with disabilities, it does require that an institution (public or private) be prepared to make appropriate academic adjustments and reasonable accommodations to allow the full participation of students with disabilities in the same programs and activities available to non-disabled students. Disabilities may include things such as physical/mobility problems such as paralysis or academic problems like learning disabilities. Some examples of accommodations are extra time for tests, testing in a quiet location, and providing architectural access to buildings.

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must place documentation on file with the Counselor/Disability Specialist. Students with disabilities should notify Midland College prior to the beginning of each semester. Student Services will provide each student with a letter outlining any reasonable accommodations. The student must present the letter to the instructor at the beginning of the semester.

Non Discrimination Statement: Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies:

Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu;

Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu.

For further information on notice of non-discrimination, visit <http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm> or call 1 (800) 421-3481.

Spanish

Midland College no discrimina por motivos de raza, color, nacionalidad, sexo, discapacidad, o edad en sus programas o actividades. Las siguientes personas han sido designadas para responder a cualquier pregunta o duda sobre estas políticas no discriminatorias:

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Division Information

Division Dean: Dr. Carmen Edwards, DNP, MSN, RN
Division Secretary: Karen Harris, CPS
Division Office Location: 206 DFHS
Telephone:, 685-4600 or 685-4799
Program Chair: Bob Weidmann, MEd, RRT, RPFT, RRT-NPS, RCP
Program Office Location: AMS A34
Program Office Telephone: 432/685-5549

Students are encouraged to contact the instructor at any time; however, making an appointment will guarantee the instructor's availability at a specific time.