

Midland College
Syllabus
RSPT 1141
Respiratory Home Care/Rehabilitation
Lecture/Lab
(1-0-0)

Course Description:

This course is designed to develop an understanding of respiratory home care/rehabilitation equipment, procedures, and patient care, with emphasis on the use of special technology and equipment in the treatment of patients in a subacute and/or long-term patient care setting. Prerequisites: RSPT 1160, 2305. (1C/1 lect, 0 lab, 0 OJT)

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Text, References, and Supplies:

AACVPR, Guidelines for Pulmonary Rehabilitation Programs, 5th Edition, Human Kinetics, 2020

Dunne, Respiratory Home Care. F.A. Davis. 1998.

Hodgkin, Pulmonary Rehabilitation. 3rd Edition. Lippincott. 2000.

Kacmarek, R.M., Egan's Fundamentals of Respiratory Care, 11th Edition. Elsevier. 2017

May, Rehabilitation and Continuity of Care in Pulmonary Disease. Mosby. 1991.

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:

Upon successful completion of the course the student will:

1. Define pulmonary rehabilitation
2. Explain benefits and limitations of pulmonary rehabilitation
3. Outline the historical perspectives of pulmonary rehabilitation
4. Identify criteria that should be evaluated in selecting a patient for pulmonary rehabilitation
5. Describe the key points of learning strategies
6. Explain educational content of pulmonary rehabilitation programs.
7. Explain pharmacology employed in the treatment of pulmonary rehabilitation patients.
8. Review the results of NOTT
9. Describe the indications for HOT
10. Describe well designed exercise training programs (strength vs. endurance)
11. Explain advantages/disadvantages of a bicycle ergometer and a treadmill for graded exercise testing
12. Explain the 6 Minute Walk Test, equipment and procedure
13. Explain the significance of screening for nutritional status
14. Outline the importance of balanced carbohydrate/fat/protein for nutrition
15. List the neurochemical effects of nicotine
16. Compare the pros and cons of the four (4) different classes of medications used to treat tobacco dependency
17. Briefly describe the plan for smoking cessation

18. Explain sexuality as it relates to the pulmonary rehabilitation patient
19. Describe the problem of patient adherence
20. Explain the recommended protocol of the Time Walk Test
21. Describe different modes of HMV, including both invasive and noninvasive modes
22. Differentiate between bullectomy and lung volume reduction surgery (LVRS)
23. Explain the role of advanced care planning to assist patients in making their end-of-life decisions

24. Explain means of supporting patient's end-of-life needs beyond advance directives
25. List steps/considerations in organizing a Better Breather's Club
26. Outline social activities/events which may be of benefit for the pulmonary rehabilitation patient
27. Describe stages of sleep
28. Describe some of the diagnostic and therapeutic considerations for sleep disorders
29. List the benefits of home care
30. List commonly used home care equipment for pulmonary rehabilitation patients
31. List common types of home medical equipment (HME)
32. Explain considerations for traveling with supplemental Oxygen
33. Describe sources of Health Care Financing
34. Explain mechanical ventilation used in home care/rehabilitation
35. Describe pediatric pulmonary rehabilitation
36. Relate characteristics/differences in pulmonary rehabilitation programs of different countries

Student Contributions and Class Policies:

Each student will spend at least 4 hours per week preparing for class. Attendance is critical in this class. The college attendance policy will be followed.

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, if not all test questions will be objective in nature.

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| 1. Tests (minimum of four) and Worksheet average | 90% |
| 2. Attendance, participation, and attitude | 10% |

Total 100%

Course Schedule:

The class meets for 1 lecture hour once each week, Wednesday, 8:00 – 9:00, for 16 weeks.

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.

Division Information

Division Dean: Dr. Carmen Edwards, Ed.D. MSN, RN
 Division Secretary: Karen Harris, CPS
 Division Office Location: 208 DHS
 Telephone: 685-4600
 Program Chair, Bob Weidmann
 Program Office Location: AMS A34
 Program Telephone: 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.

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.

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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