

Midland College
Syllabus
RSPT 1410
Respiratory Care Procedures I
4 credit hours (4-1-0)

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Course Description:

This course provides students with the essential knowledge of the equipment and techniques used in the treatment of cardiopulmonary diseases and their clinical application. The following areas are discussed in-depth; medical gas therapy, humidity and aerosol therapy, hyperinflation therapy, chest physiotherapy, pulse oximetry, arterial puncture, interpretation, patient assessment skills and medical terminology.

Text, References and Supplies:

Kacmarek, R. M., Stoller, J. K., & Heuer, A. J. (2017). *Egan's Fundamentals of Respiratory Care* (11th). St. Louis, Missouri: Elsevier.

Chabner, D. E. (2015), *Medical Terminology a Short Course* (7th). Elsevier.

Student Learning Outcomes:

Upon successful completion of the course the student will:

1. Describe oxygen delivery equipment.
2. Describe oxygen storage equipment.
3. Describe the indications and hazards of oxygen therapy.
4. Describe the different oxygen analyzers.
5. Discuss high and low flow oxygen delivery devices.
6. Define and discuss humidity and aerosol.
7. Define and discuss IPPB therapy.
8. Define and discuss incentive spirometry.
9. Define and discuss small volume nebulizer therapy.
10. Discuss the rationales for the use of IPPB vs. IS.
11. Describe and discuss the drugs used for SVN and IPPB therapy.
12. Define, describe and discuss chest physical therapy.
13. Discuss arterial blood gases.
14. Describe and discuss equipment and procedure for manual resuscitation.
15. Complete the medical terminology short course.

Student Contributions, Responsibilities and Class Policies:

The student agrees to devote time, study and work toward the mission of the course. All classroom performance and behavior will be considered academic. All Personal Communication Devices such as cell phones, pagers, tablets, etc. are disruptive in the classroom and should be placed in the silence/vibrate mode during class time. If you must answer or make a phone call please excuse yourself from the classroom area. **Absolutely no personal communication devices are allowed in testing areas.**

Evaluation of Students:

A minimum of four (4) tests will be given including a comprehensive final (unless otherwise designated by the instructor). You will be expected to complete any and all assignments given throughout the semester. Test questions will come from lecture, reading assignments and homework assignments.

Grading Scheme

Item	Percentage of total grade
Exams	45%
Take Home Quizzes	15%
Medical Terminology	10%
Attendance	10%
Final Exam	20%

*Refer to the Student Handbook for exact attendance policy

Make up work of any nature is at the option and discretion of the instructor. Do not expect to make up any work unless it is discussed beforehand. You may use the final exam grade to replace a single exam grade. To use this option a note must be given in writing to the instructor before the final exam.

Course Schedule:

The class will meet Monday and Wednesday 10:00 am to 11:50 am. The lab will be 1:00 pm to 2:00 pm on Monday.

Safety Training:

Students receive annual training in the following: blood and air borne pathogens, electrical safety, back safety, hazardous chemicals, latex allergies, fire and disaster procedures, security and personal safety procedures and safety requirements of clinical facilities. Students must maintain current CPR, immunizations, and health insurance during all clinical courses.

Americans with Disabilities Act (ADA):

Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact the Counselor/Disability Specialist at 432-685-4505 as soon as possible. The office is located in the Scharbauer Student Center Building. These conditions may include documented physical or educational disabilities. Please be aware that services or accommodations are not automatic. Each student must request them and secure the proper authorizations/documentation.

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 program and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies:

Tana Baker

Title IX/504 Coordinator and Compliance Officer

3600 N. Garfield, SSC 242
Midland, TX 79705
(432) 685-4781
tbaker@midland.edu

Or

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

For further information on notice of non-discrimination, visit the Office of Civil Rights website at <https://wdcrobcopl01.ed.gov/CFAPPS/OCR/contactus.cfm> for the address and phone number of the office that serves your area or call 1-800-421-3481.