



Course Syllabus: Introduction to Respiratory Care  
College of Health Sciences and Human Services  
RESP 3413 Section 401  
Summer Semester, July 5, 2022 – August 4, 2022

Contact Information

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Audience

Junior Respiratory Care Students  
3 Credit Course

Weekly Meeting Pattern

Tuesdays: 9:00 am – 4:00 pm  
Thursdays: 9:00 am – 4:00 pm

Course Description

Combined lecture and laboratory course focusing on basic procedures and techniques used by respiratory care practitioners. Emphasis is placed on correct set-up and application of the procedure and equipment. Topics include infection control, patient positioning, vital signs, breath sounds, chest assessment, oxygen therapy, aerosol drug delivery, and an introduction to pharmacology.

Course Objectives

Course objectives include:

1. Describe the clinical utility and techniques for conducting a patient interview.
2. Identify common clinical findings related to lung pathology.
3. When examining the precordium, abdomen and extremities, describe the techniques, rationale and common abnormalities found in patients with cardio-pulmonary disease.
4. Describe the production and clinical application of various medical gases.

5. Distinguish between various gas storage methods and calculate the duration of remaining contents.
6. Describe how to store, transport and use compressed gas cylinders.
7. Differentiate between various safety systems that apply to gas connection systems.
8. Describe how to select, assemble, check for proper function and correct for malfunctions in gas delivery equipment.
9. Assess the need for oxygen therapy.
10. Select, assemble, monitor and correct malfunctions of oxygen delivery equipment.
11. Explain the role of humidity and aerosol therapy in maintaining a healthy airway.
12. Select, assemble, monitor, and check for proper function and correct malfunctions in humidification /bland aerosol delivery systems.
13. State how to use/apply a given humidity or aerosol system in any patient situation.

#### Textbook & Instructional Materials

Egan’s Fundamentals of Respiratory Care, 12<sup>th</sup> edition, ISBN 9780323511124

Basic Clinical Lab Competencies for Respiratory Care, 5<sup>th</sup> edition. ISBN 9781435453654

Top Hat Subscription- <https://app.tophat.com/e/391525>

Note: our Course Join Code is **391525**

#### Student Handbook

Refer to: [Student Handbook 2021- 2022](#)

#### Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual’s to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct. Research papers and projects must be original work for each course assignment. The faculty will not accept a submission that has been or is being submitted for another course. No Exceptions!

#### Assignment Grading

Assignments	Percentage of Total Grade
Lab Competencies	25%
Exams	55%
Lab Final	20%

## Grading Scale

Letter Grade	Percentage Grade
A	90-100%
B	80-89%
C	75-79%
D	70-74%
F	Less than 69%

A minimum grade of 75, or a C, is required in all respiratory courses.

## Attendance

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 a 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 or the Respiratory Care Student Conduct Guidelines for Clinical Laboratories.

## Lab Competencies

- A. All assigned competencies must be successfully completed by the student in order to complete the course. If a student is not successful in completing a competency they will be given an opportunity to repeat the competency with a 10 point deduction.
- B. Failure to complete the competency on the second attempt will result in remediation and a final attempt at completing the competency with an additional 15 point deduction.
- C. Failure to successfully complete a laboratory competency on the final attempt will result in failure of the clinical skills laboratory component of this course, preventing the student from progressing in the program.

## Exams

The three unit exams will cover material discussed in class; the content will be derived from Egan's 12th ed. and the laboratory manual. All exams are computerized and will require the student to have access to a computer for use during class time. Upon availability, arrangements to utilize a computer lab on campus will be made prior to exam date and announced by the instructor.

## Glossary

A glossary for chapters being covered on each exams will be accepted for 2 points added to the overall exam grade. Glossaries will only be accepted in the hand written format that can be scanned and added to the dropbox in D2L.

## Late or Missed Assignments

Anything not completed and handed in on time will be subjected to a 20% per day penalty (weekends and holidays included). No exceptions! Missed labs or class days are not encouraged and students will be held accountable for all material covered during absences. Faculty members are not responsible for helping a student "make up" lab work. When possible arrangements should be made prior to the due date.

## Important Dates

Last Day to drop with a grade of "W:" July 21, 2022.

Refer to: [Drops, Withdrawals & Void](#)

## Desire-to-Learn (D2L)

The MSU D2L program is a part of this course. Each student is expected to be familiar with this program as it provides a primary source of communication regarding assignments and general course information. You can log into [D2L](#) through the MSU Homepage. If you experience difficulties, please contact the technicians listed for the program or contact your instructor.

## Top Hat

We will be using the Top Hat ([www.tophat.com](http://www.tophat.com)) classroom response system in class. You will be able to submit answers to in-class questions using Apple or Android smartphones and tablets, laptops, or through text message. Additionally, we will be using the custom-built interactive material within Top Hat for this class. An email invitation will be sent to you by email closer to the first day of class, but if don't receive this email, you can register by simply visiting our course website: <https://app.tophat.com/e/391525>  
Note: our Course Join Code is **391525**. Top Hat will require a paid subscription, and a full breakdown of all subscription options available can be found here: [www.tophat.com/pricing](http://www.tophat.com/pricing). Should you require assistance with Top Hat at any time, due to the fact that they require specific user information to troubleshoot these issues, please contact their Support Team directly by way of email ([support@tophat.com](mailto:support@tophat.com)), the in-app support button, or by calling 1-888-663-5491.

## Change of Schedule

A student dropping a course (but not withdrawing from the University) within the first 12 class days of a regular semester or the first four class days of a summer semester is eligible for a 100% refund of applicable tuition and fees. Dates are published in the Schedule of Classes each semester.

### Refund and Repayment Policy

A student who withdraws or is administratively withdrawn from Midwestern State University (MSU) may be eligible to receive a refund for all or a portion of the tuition, fees and room/board charges that were paid to MSU for the semester. HOWEVER, if the student received financial aid (federal/state/institutional grants, loans and/or scholarships), all or a portion of the refund may be returned to the financial aid programs. As described below, two formulas (federal and state) exists in determining the amount of the refund. (Examples of each refund calculation will be made available upon request).

### Services for Students With Disabilities

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Clark Student Center, Room 168, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to [Disabilities Office Link](#).

### College Policies

Campus Carry Rules/Policies

Refer to: [Campus Carry Rules and Policies](#)

Smoking/Tobacco Policy

College policy strictly prohibits the use of tobacco products in any building owned or operated by WATC. Adult students may smoke only in the outside designated-smoking areas at each location.

Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state and federal law for any offenses involving illicit drugs on University property or at University-sponsored activities.

### Grade Appeal Process

Students who wish to appeal a grade should consult the Midwestern State University [Undergraduate Catalog](#)

### COVID-19 Schedule Changes

I will take every measure possible to adhere to the following course schedule. However, this schedule is subject to change due to university requirements or COVID-19 precautions. You will be notified via email and the course news in D2L if any changes are anticipated. ZOOM meeting and recordings are made available at the professor's discretion.

### Course Schedule

Date	Classroom Assignments (Egan's)	Lab Assignments (White Lab Manual)
<b>July 6*</b>	<b>Chapter 16 -</b> Introduction and Syllabus Bedside Assessment of the Patient	<b>Lab #1 Ch. 2&amp;3</b> Patient Assessment Vital Signs Breath Sounds SOAP Note/AIDET
<b>July 7</b>	<b>Chapter 16 Continued</b>	<b>Lab #2</b> Infection Control Handwashing PPE Check off- Infection Control
<b>July 12</b>	<b>Exam 1</b> (Chapter 16)	<b>Lab #3 Ch. 1</b> Check off- Patient Assessment Vital Signs Breath Sounds SOAP Note/AIDET
<b>July 14</b>	<b>Chapter 41</b> Storage and Delivery of Medical Gases	<b>Lab # 4 Ch.12</b> Storage of Medical Gases / Tank Calculations
<b>July 19</b>	<b>Chapter 42</b> Medical Gas Therapy	<b>Lab #5</b> Check off - Storage of Medical Gases / Tank Calculations <b>Ch.13</b> Oxygen Devices (NC, SM, NRB, VM)
<b>July 21</b>	<b>Exam #2</b> (Chapter 41-42)	<b>Lab #6</b> Check off- Oxygen Devices (NC, SM, NRB, VM) <b>Ch.15</b> Humidity and Aerosol Devices

Date	Classroom Assignments (Egan's)	Lab Assignments (White Lab Manual)
<b>July 26</b>	<b>Chapter 39</b> Humidity and Bland Aerosol Therapy <b>Ch.40</b> Medication Delivery	<b>Lab #7</b> Check off- Humidity and Aerosol Devices <b>Ch. 15 cont.</b> Medication Delivery (nebs)
<b>July 28</b>	Medication Delivery Cont. Respiratory Mechanics	<b>Lab #8 Ch. 14(pgs 171-175)</b> Medication Delivery (dpi, mdi, spacer)/ Respiratory Mechanics
<b>August 2</b>	<b>Exam #3</b> (Chapter 39 & 40)	<b>Lab # 9</b> Check off- Respiratory Mechanics/Medication Delivery Final Exam Prep
<b>August 4</b>	<b>Lab Final Exam</b>	<b>CPR Skills Check off</b> <b>Times TBA</b>