



Course Syllabus: Respiratory Care Research  
College of Health Sciences and Human Services  
RESP 4423 Section 101  
Spring Semester, Jan 16 – May 11, 2024

**Contact Information**

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**Course Description**

Course Meetings will be Wednesdays from 1:30pm to 4:30pm in Centennial Room 334. The focus of this course is to instruct the respiratory care student in the role research plays in the practice of respiratory care. Quality improvement is used to emphasize the basic components of research. Topics include problem development, literature review, data analysis techniques and interpretation, institutional review boards and communicating the results.

**Course Objectives**

Course objectives include: Discuss essential components of the research process, differentiate application of selected research designs, discuss the ethical and legal aspects of research, critique selected research projects, demonstrate ability to apply research findings to professional practice issues.

**Textbook & Instructional Materials**

Not required but is recommended: American Psychological Association. Publication manual of the American Psychological Association (7<sup>th</sup> ed.)

**Student Handbook**

Refer to: Student Handbook [2023-2024](#)

**Academic Misconduct Policy & Procedures**

This course adheres to the MSU Code of Conduct. Academic dishonesty, however small, creates a breach in academic integrity. A student's participation in this course comes with the expectation that his/her work will be completed in full observance of the MSU Code of Student Conduct. A student should consult the Student Handbook for answers to any questions about the code.

Students are encouraged to take full advantage of many resources available including Internet sites, handouts, other textbooks & journals, faculty, and peers. This interactive collegial learning environment is conducive to life-long learning.

The components of this course are designed to represent the efforts of each student individually and are NOT to be shared. Submitting someone else's work as your own or improperly cited work constitutes plagiarism. Please see the Midwestern State University Catalog for further discussion of plagiarism. Plagiarism will constitute in an F for the course and the student will be referred to administration for further action. When students submit their efforts for grading, they are attesting they abided by this rule.

Cheating includes, but is not limited to: (1) use of any unauthorized assistance in taking quizzes, tests, or examinations; (2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or completing other assignments; or (3) the acquisition of tests or other academic materials belonging to the university faculty or staff without permission.

Plagiarism includes, but is not limited to: the use of, by paraphrase or direct quotation without correct citation in the text and on the reference list, the published or unpublished works of another person. Students may not submit papers and assignments that they have previously submitted for this or other courses. The use of materials generated by agencies engaged in "selling" term papers is also plagiarism. Students are encouraged to review the tutorials and suggested websites for more information about plagiarism.

By enrolling in this course, the student expressly grants MSU a limited right in all intellectual property created by the student for the purpose of this course. The limited right shall include but shall not be limited to the right to reproduce the students work product in order to verify originality and authenticity, and for educational purposes.

### **Assignment Grading**

	Percentage of Total Grade
Research Question Form	5%
Title & Reference Page	5%
Types of Research Essay	15%
Plagiarism Evaluation	5%
Research Poster	25%
Body of Paper	25%
Final Paper	10%
Celebration of Scholarship	10%

## Grading Scale

Letter Grade	Percentage Grade
A	90-100%
B	80-89%
C	75-79%
D	60-74%
F	Less than 60%

A minimum grade of 75, or a C, is required in all respiratory courses. All assignments must be completed by 11:59pm on the due date.

### Attendance and Participation

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. Two missed class days may result in an automatic 25% reduction in final course grade. Three or more missed class days may result in an automatic 50% reduction in final course grade.

### Activities and Assignments

This course is one that was constructed so that the material builds upon itself to result in a final paper and application of learning. It is not recommended to work ahead. See the Course Schedule in this syllabus, as well as the course calendar in D2L, for specific information about activities and due dates.

If students have technical difficulties, they should use the "Help" link on D2L, contact the MSU Information Systems Support Staff, and send an email to the professor explaining what happened. Waiting until the last minute to ask for help or reporting incidents AFTER a due date or an exam expires may result in a grade of zero, even if it was a failure of D2L.

- All work submitted to the instructor will be considered complete and final, and will be graded as such.
- All assignments must be written at the baccalaureate level and will be graded for accuracy, completeness, quality, spelling, grammar, and integrity.
- Because of the nature of the assignments, late submissions will not be accepted. *It is the expectation of the faculty that you complete work on time.*

- Rubrics are available for all written assignments and can (and should) be viewed by the students prior to submitting any work.

## **Course Modules:**

### **Syllabus & Course Resources**

Students should begin the course by viewing the Syllabus. Also, you will find PowerPoint presentations covering various course topics. It is HIGHLY recommended that students review all of these documents as they progress through the course.

### **Module 1 –**

Students will find the Research Question Approval section. In the Research Question Approval section, first read the Formulating a Research Question document, then access the Research Question Approval form. Upload the completed form to the dropbox.

You will need to conduct your surveys and obtain your data as well as analyzing the data you collected. Once this is completed, you will need to find articles pertaining to your research topic for your poster and paper.

### **Module 2 –**

Students will review the Types of Research overview, followed by the Types of Research Assignment instructions. There are additional resources available in the Course Resources module if needed. Upload the completed assignment to the dropbox.

Within the Plagiarism section, students should begin by accessing the Avoiding Plagiarism document, and follow instructions to review the Harvard Guide to Using Sources. After reviewing that document, students should review the Plagiarism Evaluation Assignment instructions and upload the completed document to the dropbox.

In the Synthesizing section, students must review the Synthesizing notes and Synthesis Defined document. There are also additional resources about synthesizing in the Syllabus & Course Resources Module.

In the Title & Reference Page section, review the sample title page and sample reference list, and the Title & Reference Page instructions. Upload the completed title & reference pages to the dropbox.

You will need to complete the Introduction section, Methods section, Results section, and the Conclusion section. These will be the basis for your poster and the beginning components of your paper.

### **Module 3 –**

Within this module, you will need to develop your poster for the Celebration of Scholarship. You will utilize the content you created within the last course period for this. There are examples of poster presentations within the module for you to view.

The Poster Presentation within this course is the development and presentation of the student's research findings during Midwestern State University's Celebration of Scholarship. All students must present their research posters during the event on Thursday, April 20th for a minimum of three hours. Faculty will utilize the Research Symposium Rubric to determine a score for each presentation. The scores from each faculty will be collected and averaged to determine a final grade for the overall presentation.

### **Module 4 –**

You must finalize your poster so we can send them out for printing.

Students will find the Body of Paper notes, Body of Paper instructions, and information on where to find a sample student paper. All of these documents should be reviewed before beginning the assignment. Upload the completed document to the dropbox.

Feedback for this assignment, as well as the title & reference page assignment will be provided by the instructor and MUST be reviewed and corrected to complete the final paper assignment in Module 5. Feedback may be included in the D2L gradebook as well as within the review comments in the Word document itself. Failure to incorporate the feedback provided will significantly impact the grade of the final paper assignment.

### **Module 5 -**

Students should begin by reading the instructions for the final paper. This assignment should be very straight forward. Students should review all feedback provided by the instructor on the research question approval, title and reference page, and body of the paper assignments and correct all mistakes. This will require you to open the previous assignments, review the feedback/comments provided by the professor, and make the requested revisions. This may require some restructuring of the paper, changes in references, etc. The final paper should be free from all previously indicated errors, and substantial effort to improve the previous draft should be obvious to the instructor. Upload the final document to the dropbox.

### **Missed Assignment Policy**

If a student is going to miss an assignment, it is the student's responsibility to contact the instructor prior to the exam or assignment deadline. A 10% reduction will be taken for each day (weekends and holidays included) after the scheduled assignment due date.

### **Important Dates**

Last Day to drop with a grade of "W:" March 25, 2024.

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

### **Desire-to-Learn (D2L)**

Extensive use of 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, examination materials, 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.

### **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 [MSU Texas Disability Support Services Site](#).

### **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](#)

### **Course Schedule:**

Below, you will find the course schedule. I suggest printing a copy of the course schedule to help you stay organized and meet all deadlines.

Please note that changes in the course syllabus, assignments, and schedule may be made at the discretion of the professor.

### **Course Schedule**

Class Date	Module	Activities/Assignments	Due Date @ 4:30pm
Feb 21	Module 1	Research Question Approval Form----- Perform Surveys and Obtain Data Analyze Data Find Articles Pertaining to Research	Feb 21
Feb 28	Module 2	Types of Research, Plagiarism, Synthesizing----- Title and Reference Assignment----- Begin Developing Introduction, Methods, Results, Conclusion	Feb 28 Feb 28
Mar 6	Module 3	Complete Introduction, Methods, Results, Conclusion Develop Poster-----	Mar 6
Mar 20	Module 4	Body of Paper-----	April 10
Apr 10		In-Class Presentations of Research Poster	
Apr 17-18		Celebration of Scholarship (Schedule to be determined)	
Apr 24	Module 5	Final Paper-----	Apr 24