



Course Syllabus: Respiratory Care Research
College of Health Sciences and Human Services
RESP 4423 Section 101
Spring Semester, 2026

Contact Information

Instructor: Randy Case, Ph.D., RRT-NPS
Office: Centennial Hall 420-C
Office hours: Posted at 420-C
Office phone: (940) 397-4653
E-mail: randy.case@msutexas.edu

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 (7th ed.)

Student Handbook

Refer to: [Student Handbook](#)

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

Assignment	Percentage of Total Grade
M1 - Research Question Form	5%
M2 - Plagiarism Evaluation	5%
M2 - UGRCA Forum Abstract Form	10%
M3 - Research Poster	20%
M4 - Title & Reference Page	10%
M5 - Research Paper	15%
M6 - Celebration of Scholarship	35%

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

All assignment submissions made by students in D2L are considered final submissions. It is the student's responsibility to ensure that the correct and complete file has been uploaded. If a student submits an incorrect document, an incomplete draft, or any unintended version, the assignment will be graded as submitted. Students are strongly encouraged to double-check their upload before finalizing the submission.

Additionally, Apple file formats such as .pages or Keynote files will not be accepted. All submissions must be uploaded in Microsoft Office formats—such as .doc, .docx, .ppt, or .xlsx—or as otherwise specified in the assignment instructions.

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, Plagiarism Overview, and Synthesizing Overview.

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.

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. In addition, you need to complete the UGRCA Forum Abstract Form for approval to participate in the Celebration of Scholarship Event.

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 15th. 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.

You must finalize your poster by the end of this module so we can send them out for printing.

Module 4 –

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.

Students will find the Writing a Research Paper notes, Writing a Research Paper instructions, and information on where to find a sample student paper. You need to begin writing your research paper, which will be due in Module 5.

Module 5 – In-class presentations of your research poster will be conducted. Complete and submit your research paper. Upload the final document to the dropbox.

Module 6 –

Celebration of Scholarship will be held on Thursday of this week. Schedule and time will be determined at a later date.

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:" April 29, 2026.

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.

Disability Support Services:

Midwestern State University is committed to providing equal access for qualified students with disabilities to all university courses and programs, and by law all students with disabilities are guaranteed a learning environment that provides reasonable accommodation of their disability. This guarantee is provided through Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. The ADA reads: "No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of a public entity, or be subject to discrimination by any such entity." The Director of Disability Support Services serves as the ADA Coordinator and may be contacted at (940) 397.4140, TDD (940) 397.4515, or 3410 Taft Blvd., Clark Student Center 168.

College Policies

Campus Carry Rules/Policies

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

Smoking/Tobacco Policy

Refer to: [Smoking and Tobacco Policy](#)

Alcohol and Drug Policy

Refer to: [Alcohol and Drug Policy](#)

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
Feb 25	Module 1	Perform Surveys and Obtain Data Analyze Data Find Articles Pertaining to Research Research Question Approval Form-----	Feb 25
March 4	Module 2	Types of Research, Plagiarism, Synthesizing Plagiarism Evaluation----- Develop Introduction, Methods, Results, Conclusion UGRCA Forum Abstract Form-----	March 4 March 4
March 18	Module 3	Develop Poster-----	March 18
March 25	Module 4	Title & Reference Page----- Begin Developing Your Paper	March 25
Apr 1	Module 5	In-Class Presentations of Research Poster Research Paper Submission-----	April 1
Apr 16	Module 6	Celebration of Scholarship (Schedule to be determined) -----	Apr 16