



College of Health Sciences and Human Services, GUNN
Department of Athletic Training & Exercise Physiology
EXPH 5033, Clinical Exercise Physiology; Chronic Disease and Prevention
Spring 2026

Contact Information

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Office: Ligon Coliseum Building, Room 209

Office Hours: Mondays and Wednesdays 10:00 AM-12:00 PM, and Tuesdays 12:30 PM-1:30 PM.

Course Description

This course provides presentation of scientific techniques utilized by clinical exercise physiologists to assess fitness in healthy and disease populations. This course will refine clinical competencies needed to safely administer tests to assess health related components of fitness.

This course meets in person two times per week on Mondays and Wednesdays from 12:00–1:20 PM in Room 111.

You will receive regular updates through announcements in D2L or via email.

Textbook and Instructional Materials

Clinical Exercise Physiology: Exercise Management for Chronic Diseases and Special Populations, 5th Edition.
ISBN# 9781718200449

I will also provide PowerPoint notes.

This textbook is required for the course. If you find the lecture slides insufficient, you are expected to study the textbook for a deeper understanding.

Study Hours and Tutoring Assistance

You are responsible to study all assigned lecture slides, case studies, and students presentation PowerPoints as these materials will be covered on exams.

Student Handbook

Refer to: [Student Handbook](#).

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Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual's to whom credit is given).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. [Office of Student Conduct](#).

Moffett Library

Moffett Library provides resources and services to support student's studies and assignments, including books, peer-reviewed journals, databases, and multimedia materials accessible both on campus and remotely. The library offers media equipment checkout, reservable study rooms, and research assistance from librarians to help students effectively find, evaluate, and use information. Get started on this [Moffett Library webpage](#) to explore these resources and learn how to best utilize the library.

Grading

Table 1: Points allocated to each assignment.

Assignments	Points
Clinical Case Studies (10*20 points each)	200
Research Presentation (1*100 points each)	100
Exams (3*100 points each)	300

Table 2: Total points for final grade.

Grade	Points
A (90–100%)	540–600
B (80–89%)	480–539
C (70–79%)	420–479
D (60–69%)	360–419
F (<60%)	Below 360

Case Studies

1. There are 10 case studies, each worth 20 points. You will collaborate with your classmates to complete the case studies. This activity will be closed-notebook and closed-cell phone. We will review the case studies together during the following class period.
2. After completing the case study, you will upload it to D2L module designated for each case study by 1:30 PM of the day we worked on a case study. Even being one minute late is not acceptable and will receive a zero, as the module closes promptly at 1:30 PM.
3. When uploading your case study, ensure they are in Word format or pdf format and include your first and last name in the file name. For example: Sauyeh Zamani Case Study #1.
4. 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, a blank document, 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 and .pdf.
5. Answers to the case studies must be typed. Handwritten reports or photos of written answers will result in 6 points deductions.
6. If you are unable to submit a Word file or pdf file due to laptop issues, make sure to resolve the problem with IT within the first week of classes. You may use computers in the library or anywhere on campus.

Research Presentation

1. There is one research presentation, worth 100 points. Each student will choose a clinical condition and develop an evidence-based exercise program. Detailed guidelines and the grading rubric will be discussed in class and provided to you.
2. Presentations will be 15 minutes long; going over or under by more than 60 seconds will result in a grade deduction.
3. After presenting, submit your PowerPoint to the instructor. All presentations will be uploaded to D2L for review, and material covered will be included on the final exam.

Exams

1. There are three exams, each worth 100 points. The questions contain true/false, fill-in-the-blank, multiple-choice, and long answer questions. The exam is timed, and you must bring a pen and a charged, working laptop to be prepared for both formats of the test.
2. All slides are important, as any material not relevant to the exam will not be covered in slides.
3. There is no such thing as exams being inherently “hard” in this course. Every question on the exams is based on our in-class discussions, PowerPoint slides, and the detailed explanations provided for each lab. Active engagement and studying are essential. If your goal is simply to pass the course without truly understanding the material, I can assure you that approach will not be successful in my class and the exam will be perceived as “hard”.
4. No restroom breaks are permitted during exam. Please take care of all personal needs before the assessment begins.
5. The exam must be taken in class, either on paper or through D2L. Anyone who takes it outside of class will receive a zero.

Extra Credit

This class does not offer any extra credit opportunities.

Make Up Work

With university-approved documentation (e.g., illness, athletic tournaments, car accidents, bereavement, jury duty, religious observance, family emergencies, or similar circumstances), you may make up missed work within one week. If you must miss a graded activity, email me your university-approved documentation and submit the assignment in the same email to ensure proper tracking.

Late Work

Late submissions with valid documentation are not accepted after one week and will receive a grade of zero, with no exceptions.

Table 3: Make up work and Late work policy.

Condition	Can I make up the full credit?	When should I submit my work?
Late submission with valid documentation (illness, tournament, car accident, bereavement, jury duty, religious observance, family emergency, or similar circumstances).	Yes	Within 1 week (must email a valid document, as prior consent is required)
Late submission with valid documentation (after 1 week).	No	Never, the grade will be zero

Important Dates

- Last day for term schedule changes: 01/23/2026. For more information refer to [Academic Calendar](#).
- Deadline to file for graduation: 02/16/2026. For more information refer to [Academic Calendar](#).
- Last Day to drop with a grade of “W”: 03/04/2026. For more Information refer to [Drops, Withdrawals & Void](#).
- 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.

Attendance

Attendance on case study days, presentation days, and exam days is required. Failure to attend without university-approved documentation will result in a zero for that activity, no exception. Keep in mind that if you choose not to attend class on lecture days, you will miss understanding the concepts in the way it is expected to be known for the exams, and feel lost as the semester progresses, trust me in that.

Students are expected to attend all meetings of the classes in which they are enrolled. Although in general students are graded on intellectual effort and performance rather than attendance, absences may lower the student's grade where class attendance and class participation are deemed essential by the faculty member. In those classes where attendance is considered as part of the grade, the instructor should so inform students of the specifics in writing at the beginning of the semester in a syllabus or separate attendance policy statement. An instructor who has an attendance policy must keep records on a daily basis. The instructor must give the student a verbal or written warning prior to being dropped from the class. Instructor's records will stand as evidence of absences. A student with excessive absences may be dropped from a course by the instructor. Any individual faculty member or college has the authority to establish an attendance policy, providing the policy is in accordance with the General University Policies.

Online Computer Requirements

Taking an online class requires you to have access to a computer (with Internet access) to complete and upload your assignments. It is your responsibility to have (or have access to) a working computer in this class. Assignments and tests are due by the due date, and personal computer technical difficulties will not be considered reason for the instructor to allow students extra time to submit assignments, tests, or discussion postings. Computers are available on campus in various areas of the buildings as well as the Academic Success Center. Your computer being down is not an excuse for missing a deadline. There are many places to access your class! Our online classes can be accessed from any computer in the world which is connected to the internet. Contact your instructor immediately upon having computer trouble. If you have technical difficulties in the course, there is also a student helpdesk available to you. The college cannot work directly on student computers due to both liability and resource limitations however they are able to help you get connected to our online services. For help, log into [D2L](#).

Instructor Class Policies

1. Read the syllabus carefully before emailing me with any questions.
2. Communication is key in this course. You are strongly encouraged to reach out with any questions.
3. Include your class number (EXPH #####) in the subject line of your email. Otherwise, I will not know which class you are contacting me from, and I will be unable to respond to your email.
4. I will respond to all emails that require a reply within 24 hours, Monday through Friday, between 8:00 AM and 5:00 PM. Emails sent on holidays will be answered on the next business day.
5. If your email is solely to inform me of something or to submit a document, I will acknowledge and address it internally but will not send a confirmation reply such as 'Received' or 'Okay.'

6. Any disrespectful behavior, in class or via email, will not be tolerated. Such incidents will be reported to the department, and the student will no longer be allowed to participate in my classes and may be dropped from the course.
7. Please note that I am unable to provide details about what was covered in class during your absence. I kindly encourage you to reach out to your classmates for this information. I am not responsible if students who are absent receive incorrect information from classmates regarding class activities.
8. I do not provide study guides for exams that specify which slides to focus on or skip. All lecture slides are interconnected and contribute to the overall understanding of the material, so it's important to study everything as a cohesive whole.
9. You may discuss your grades immediately after they are published. For example, discussions about Exam #1 after three months will not be accepted.
10. Do not email me requesting grade adjustments, as I do not round up grades. All final grades are calculated exactly as earned.
11. I do not curve grades. Your grade reflects how much you have learned.
12. If the PowerPoint slides are not enough to fully understand the material, please refer to the textbook. If you need further assistance, feel free to email me with your questions or visit me in my office, I would be happy to help.
13. Cheating will result in a zero and may lead to removal from the course. Do not use cell phones during case studies and exams. Any form of academic dishonesty is easily detectable and will result in a zero.
14. Be active and engaged in class by answering questions, as your participation matters. If a question goes unanswered, I will randomly select a student to respond, since it's important for me to gauge the class's understanding of the concepts.
15. If you have any questions about your career, I would be happy to discuss them with you.
16. In the event of a campus closure due to weather, class will transition to a hybrid format, depending on the scheduled activity for that day. Students are required to download and have access to [Microsoft Teams](#) on their device to attend class remotely. Any quizzes or exams that need to be taken online will be administered through Lockdown Browser on D2L. Further announcements regarding class activities, assignments, quizzes, and exams will be communicated during that period.
17. I am always open to suggestions. If you notice anything that could improve your experience in the class, please discuss it with me now, rather than waiting for the course evaluation and allowing the improvement to benefit students next semester.

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) exist 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 Student Wellness Center, (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 [Disability Support Services](#).

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.

Campus Carry

Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes has prohibited. The new Constitutional Carry law does not change this process. Concealed carry still requires a License to Carry permit, and openly carrying handguns is not allowed on college campuses. For more information, visit [Campus Carry](#).

Active Shooter

The safety and security of our campus is the responsibility of everyone in our community. Each of us has an obligation to be prepared to appropriately respond to threats to our campus, such as an active aggressor. Please review the information provided by MSU Police Department regarding the options and strategies we can all use to stay safe during difficult situations. For more information, visit [MSUReady – Active Shooter](#). Students are encouraged to watch the video entitled “Run. Hide. Fight.” which may be electronically accessed via the University police department’s webpage: [“Run. Hide. Fight.”](#)

Grade Appeal Process

Update as needed. Students who wish to appeal a grade should consult the Midwestern State University [MSU Catalog](#).

Course Schedule

The course syllabus outlines the general plan for the course; however, the instructor reserves the right to adjust any part of the syllabus at any time during the semester as deemed necessary.

Table 4: Semester course schedule.

Week	Monday	Wednesday
Week 1, Jan 19-23	No class, Martin Luther King Day	Syllabus
Week 2, Jan 26-30	Promoting a Physically Active Lifestyle	General Pharmacology / Interview and Examination skills
Week 3, Feb 2-6	<ul style="list-style-type: none"> Graded Exercise Testing Case Study #1 	Exercise Prescription
Week 4, Feb 9-13	<ul style="list-style-type: none"> Exercise Prescription Case Study #2 	Obesity
Week 5, Feb 16-20	<ul style="list-style-type: none"> Diabetes Case Study #3 	Hypertension
Week 6, Feb 23-27	Review Exam #1	Exam #1
Week 7, Mar 2-6	<ul style="list-style-type: none"> Hyper and Dyslipidemia Chronic Kidney Disease 	<ul style="list-style-type: none"> Metabolic Syndrome Case Study #4
Week 8, Mar 9-13	No class, Spring Break	No class, Spring Break
Week 9, Mar 16-20	<ul style="list-style-type: none"> Chronic Heart Failure Case Study #6 	<ul style="list-style-type: none"> Acute Coronary Syndromes / Revascularization Peripheral Artery Disease
Week 10, Mar 23-27	COPD	<ul style="list-style-type: none"> Asthma Case Study #7
Week 11, Mar 30-Apr 3	Review Exam #2	Exam #2
Week 12, Apr 6-10	Cystic Fibrosis	Cancer / HIV
Week 13, Apr 13-17	<ul style="list-style-type: none"> Arthritis Case Study #8 	Osteoporosis / Nonspecific Low Back Pain
Week 14, Apr 20-24	Spinal Cord Injuries / MS / CP	<ul style="list-style-type: none"> Stroke and Parkinson's Case Study #10
Week 15, Apr 27-May 1	Children and Older Adults	Depression and Intellectual Disabilities
Week 16, May 4-8	Students Presentation	Students Presentations
Week 17, May 9-14	Exam #3, 1-3 PM	N/A