



Course Syllabus: Linear Algebra

College of Science, Mathematics & Engineering
MATH 2753 Section 101
Fall 2026

Contact Information

Instructor: Dr. Jihyun Lee

Office: Bolin Hall 122B

Office hours: Mon 1:30 PM – 2:30 PM

Tue 1:30 PM – 3:00 PM

Wed 11:00 AM – 12:00 PM, 1:30 PM – 3:00 PM

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Class Meeting Days, Times, Location

Mon & Wed & Fri: 10:00 AM – 10:50 AM

Classroom: Bolin Hall 111

Prerequisites

MATH 1634.

Course Description

An applied approach to systems of linear equations and matrices, linear transformations and matrices, determinates, eigenvalues, and eigenvectors. Use of technology such as MATLAB and calculators with matrix capabilities is integrated into the course

Learning Objectives

Upon successful completion of this course, students will:

1. Be able to solve systems of linear equations using multiple methods, including Gaussian elimination and matrix inversion.
2. Be able to carry out matrix operations, including inverse and determinants.
3. Demonstrate understanding of the concepts of vector space and subspace.
4. Demonstrate understanding of linear independence, span, and basis.

5. Be able to determine eigenvalues and eigenvectors and solve problems involving eigenvalues.
6. Apply principles of matrix algebra to linear transformations.
7. Demonstrate application of inner products and associated norms.

Course Materials - Desire-to-Learn(D2L)

This course will use D2L to distribute information. Each student is expected to be familiar with this program and to regularly check posted information. You can log into [D2L](#) through the MSU Homepage. On D2L, I will post

1. Announcements and reminders
2. Important date changes
3. Completed lecture notes and quiz solutions

Please check D2L regularly to stay up to date throughout the semester.

Textbook & Online Homework System

WebAssign for Larson's Elementary Linear Algebra, Single-Term Instant Access(8th); ISBN: 9781337879606

Cengage WebAssign

All homework will be completed through Cengage WebAssign. ***Students must access WebAssign by first logging into D2L, opening this course**, navigating to *Content*, and clicking the **Cengage WebAssign** external learning tool link.

Class notes

Blank copies of the lecture notes will be provided in class for your use. You are encouraged to take notes directly on these handouts during lecture.

The lecture notes are primarily based on Larson's *Elementary Linear Algebra*. For some topics, I have reorganized the material and incorporated additional content from other resources to support understanding. These notes are provided for your personal use in this course only and may not be distributed or shared outside the class.

The lecture notes will serve as the primary resource for this course and should be the main focus of your study. The textbook should be used as a reference as needed.

Calculators

You are not allowed to use a graphing calculator or phone on quizzes or exams. You may use a scientific calculator for basic numerical calculations, but calculator

functions for matrix operations are not allowed. All work must be shown clearly on quizzes and exams.

Computer Requirements

This class requires you to have access to a computer (with Internet access) to complete your homework assignments. It is your responsibility to have (or have access to) a working computer for this class. ***Assignments are due by the due date, and personal computer technical difficulties will not be considered a reason for the instructor to allow students extra time to submit assignments.**

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 homework! Our online homework can be accessed from any computer in the world which is connected to the internet.

Coursework and Grading – Grading

Table 1: Percentages Allotted

Category	Percentage
Homework	12%
Quizzes(Best 8 of 9)	12%
Midterm Exams(3 at 17% each)	51%
Final Exam	25%
Total	100%

***The lowest midterm-exam score will be replaced with the final exam score, provided the final exam score is higher.** The final exam score cannot be replaced.

All coursework grades will be recorded in ***WebAssign gradebook.**

Table 2: Total percentage for final grade

Grade	Percentage
A	at least 90%
B	80–89%
C	70–79%
D	60–69%
F	Less than 60%

Coursework and Grading – Coursework

Table 3: List of Topics

Chapter	Chapter title
Chapter 1	System of Linear Equations

Chapter	Chapter title
Chapter 2	Matrices
Chapter 3	Determinants
Chapter 4	Vector Spaces
Chapter 6	Linear Transformation
Chapter 7	Eigenvalues and Eigenvectors
Chapter 5	Inner Product Space (<i>*If time permits</i>)

Homework

Homework will be assigned using the Cengage WebAssign. Homework will be assigned over the material that is covered in class. Problems may be worked up to 50 times. After the homework deadline, you can practice another version of the problems, if it is available (this feature is not available on all questions).

- All homework are equally weighted.
- Homework must be completed before the deadline for full credit.
- If you do not complete an assignment on time, ***you may request an automatic extension in WebAssign within 5 days of the deadline and complete the homework by the new deadline for up to 75% partial credit.** Only work submitted after the original deadline will get partial credit; all work submitted before the original deadline gets full credit. Any homework not attempted will be scored 0.
- All extended work must be submitted by 11:59 PM CST on **December 10th** to count towards your final grade.

Do not wait until the last minute to complete your homework assignments!

Homework is accessed through D2L by clicking on the Cengage WebAssign link on the D2L homepage for Math 2753.

Quizzes

There will be ***9 in-class, open-book quizzes**. You may use lecture notes and class handouts, but ***internet access is not permitted**. Partial credit may be awarded depending on the type of problems. The two lowest quiz scores will be dropped, and the best 10 quizzes will count toward your final grade.

If you miss a quiz, you will receive a score of 0. ***Quiz dates are not fixed and will be announced in class as the course progresses.**

Exams

There will be four (midterm) exams during the semester. The ***tentative** dates for these exams are in the following table.

Table 4: Tentative Dates for Exams

Exam	Date
Exam 1	Friday, Sep 25
Exam 2	Wednesday, Oct 28
Exam 3	Wednesday, Dec 2

The Final Exam – Wednesday, ***December 9, 2026 (10:30 am – 12:30 pm)**

Attendance and Engagement

Attendance will be taken at the beginning of every class. Students are expected to arrive on time and remain for the entire class period, and actively engage in the lecture. Arriving late or leaving early may result in being counted as absent unless you inform me in advance. Simply being present in class does not constitute attendance. Failure to pay attention, engage in the lecture, or **unauthorized use of phones or laptops** may result in being marked absent.

Students who miss more than ***five lectures** may be withdrawn from the course with the grade of F.

If you miss class, it is your responsibility to

1. get notes from another student for the day(s) you missed, and
2. see me before the next class for any handouts from the day(s) you missed.

Any absence due to medical, university-related, or military reasons must be supported by appropriate documentation. Make-up quizzes are not guaranteed and may be given at the instructor's discretion in cases of excused absences.

For make-up exams due to an excused absence, you must contact me before the exam whenever possible.

Use of Classroom Computers

Our classroom, BO 111, is a computer lab, but most class meetings will be **lecture-based**. Students should **not** turn on or use the classroom computers during regular lectures. *We will occasionally use the computers for in-class MATLAB activities.

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](#)

Changes to Syllabus

Some portions of this syllabus may alter during the semester. I will announce changes by email through the D2L email system. You are responsible for knowing everything I email to your D2L email address.

Recording Classes

****Recording classes is generally prohibited without the professor's explicit permission.*** Such recordings, when permitted, are for personal use only and may not be uploaded to the internet or otherwise shared, transmitted, or published without the professor's prior consent. Some faculty may not permit recordings of their classes. When it is feasible and appropriate, students may record classes to accommodate disabilities under the Americans With Disabilities Act, with prior approval of Disability Support Services. Such recordings may not be uploaded to the internet or otherwise shared, transmitted, or published.

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 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](#).

Emergency Aid Resources for Basic Needs

Unexpected life circumstances can affect anyone. If you are experiencing challenges meeting basic needs—such as housing, utilities, food, transportation, healthcare, technology, textbooks or other life necessities, resources may be available to help. Visit the [Student Emergency Support and Resources webpage](#) to learn more, and explore emergency support opportunities through MSU and how to access them. For additional information, please contact the Office of Student Affairs: Clark Student Center #108, (940) 397-7500, student.affairs@mstuexas.edu.

College Policies

Campus Carry Rules/Policies

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

Smoking/Tobacco Policy

Midwestern State University seeks to provide a safe, healthy, pleasant environment for its faculty, staff, and students. To this end, the use of tobacco products, including smoke and smokeless tobacco, and the advertising, sale, free distribution, and discarding of tobacco products shall be prohibited in all indoor and outdoor facilities and in all university vehicles. The policy extends to faculty, staff, students, vendors, guests, and visitors.

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.”](#)