

MATH 2700.005 – Linear Algebra and Vector Geometry, Spring 2026

Name: Kenzie Fontenot (she/her)

Office / Office Hours: GAB 405 / M/W 11:00-1:00pm, Tuesday 11:10-12:10, Thursday 1-2

Email: kenzie.fontenot@unt.edu (You can expect to hear back from me within one to two business days.)

Course Meets: BLB 260, Tu/Th 3:55-5:15 pm

Course Description

The study of linear equations, matrix algebra, determinants, vector spaces, eigenvalues and eigenvectors, and orthogonality.

Course Prerequisites

Math 1720

Materials

Linear Algebra and Its Applications by David Lay, Stephen Lay, Judi MacDonald (online pdf, 6th edition)

Course Technology & Skills

Minimum Technology Requirements

- Computer Access
- Calculator (see Calculator section of the syllabus for details)

Computer Skills

- Using Canvas
- Using email with attachments

Grading

Exams: 50% (3 mid-terms, lowest exam score can be replaced by final)

Homework: 15% (weekly assignments, problems posted on Canvas)

Quizzes: 15% (every week in class when homework is due)

Final Exam: 20%

Grade Assignment

A: [90%, ∞); B: [80%, 90%); C: [70%, 80%); D: [60%, 70%); F: [0%, 60%).

Course Policies

Attendance

Students who regularly attend class learn more, get more out of the class, and earn higher grades. If you miss a lecture, it is your responsibility to learn the missed material on your own. You can do this by filling in the class notes using the textbook as a guide. There will occasionally be opportunities to earn extra credit during class. If you miss one of these days, for any reason, you will not be able to earn these points. If it is important to you to participate in all the extra credit which will be available this semester, you need to plan to attend every class.

Late Work

No late homework is accepted in this class.

Homework

Homework will be assigned each week on Canvas and will typically be due on Thursdays. Your homework assignments must be legible and stapled together. The grader will not be required to grade illegible or otherwise sloppy papers. No late homework will be accepted for any reason. Homework must be turned in on its due date at the beginning of the class period. If you are ill, having car problems, or some other situation, you can scan your homework and email it to me. The scan needs to be sent in **a single pdf file** and sent to my email by 8am on the day it's due. You may do this once during the semester only. At least one lowest homework score will be dropped at the end of the semester.

Quizzes

There will be a quiz every Thursday at the beginning of class. The quiz content will cover the homework assignment content that was turned in that day. e.g. quiz 1 will cover the same content as homework set 1

Exams

There will be 3 midterm exams and a comprehensive final exam. These exams will all be in person. Your lowest exam score can be replaced at the end of the semester by your final exam score if it is higher.

- No hats, caps, hoodies, watches, or headphones may be worn during exams.
- Do not share any materials (pencils, calculators, etc.) during an exam.
- Turn off and put away all electronics during exams.
- If you think that your work has been graded incorrectly, write a legible explanation of what you want re-graded and why on a separate piece of paper and turn this in to me with your exam within one week of receiving the exam back.

Final Exam

The final exam is comprehensive.

Make-up Policy

Make up exams will not be given for any reason after the fact. If you miss a midterm exam (for any reason) you will get a 0 for that exam and it can be replaced by your final exam. You can take a test early if you need to; I need at least a week's notice in this situation.

Calculators

No calculators will be permitted during Exam 1. Scientific and basic graphing calculators (like a TI-83) will be permitted for exams 2, 3, and the final. TI-N'Spires, TI 89's, TI 92's or any other utility with alphanumeric/CAS capabilities ARE NOT permitted during exams.

Student Behavior

Appropriate behavior is expected of all students taking this course. You are expected to arrive on time and stay for the entire class period. If you must arrive late or leave early, please do so as quietly as possible. Silence and put away all pagers, cell phones, and laptops during class. Take off your headphones. Do not talk (or whisper) to your classmates during class, it is extremely distracting. If you have a question about the material, please speak up and ask – if you are wondering about something during the lecture you are probably not the only one!

Academic Dishonesty

Cheating will not be tolerated. Any student caught cheating on an exam will receive a "0" and a report will be filed with the Office of Academic Integrity. You cannot replace an exam score of "0" if you received it due to cheating.

ADA Policy

UNT makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide a student with an accommodation letter to be delivered to faculty to begin a private discussion regarding one's specific course needs. Students may request accommodation at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the [ODA website \(https://disability.unt.edu/\)](https://disability.unt.edu/).

Start Working Now

The best way to ensure you pass this course with the grade you desire is to work consistently throughout the semester. In mathematics, course topics always build one upon the other which

makes it very difficult to catch up later if you fall behind. If you require a certain grade in this course because it is your last semester, your financial aid depends on it, your scholarship depends on it, or your parent/guardian has threatened to harm you in some manner, then do yourself a favor and start studying right away. I will not entertain any pleas for extra credit, requests for “bumping” of grades, or offers to do additional work at the end of the semester.

[Math Lab](#)

The Math Lab provides drop-in tutoring in Sage 130. Math Lab tutors can help you with homework problems. (They will not check your homework or redo lectures.) Check their website for specific times when Linear Algebra tutors are available. The Learning Center provides online, one-on-one, drop-in, and group tutoring. They also offer academic coaching and workshops on various studying and learning skills. Contact them in Sage 170 or learningcenter.unt.edu if you're interested in any of these services.

[Syllabus Change Policy](#)

Any necessary changes to the syllabus, or schedule will be announced in class and posted on Canvas.

Welcome to UNT!

As members of the UNT community, we have all made a commitment to be part of an institution that respects and values the identities of the students and employees with whom we interact. UNT does not tolerate identity-based discrimination, harassment, and retaliation. UNT's full Non-Discrimination Policy can be found in the UNT Policies section of the syllabus.

Rules of Engagement

Rules of engagement refer to the way students are expected to interact with each other and with their instructors. Here are some general guidelines:

- While the freedom to express yourself is a fundamental human right, any communication that utilizes cruel and derogatory language on the basis of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law will not be tolerated.
- Treat your instructor and classmates with respect in any communication online or face-to-face, even when their opinion differs from your own.
- Ask for and use the correct name and pronouns for your instructor and classmates.
- Speak from personal experiences. Use "I" statements to share thoughts and feelings. Try not to speak on behalf of groups or other individual's experiences.
- Use your critical thinking skills to challenge other people's ideas, instead of attacking individuals.
- Avoid using all caps while communicating digitally. This may be interpreted as "YELLING!"
- Be cautious when using humor or sarcasm in emails or discussion posts as tone can be difficult to interpret digitally.
- Avoid using "text-talk" unless explicitly permitted by your instructor.
- Proofread and fact-check your sources.
- Keep in mind that online posts can be permanent, so think first before you type.

See these [Engagement Guidelines](https://clear.unt.edu/online-communication-tips) (https://clear.unt.edu/online-communication-tips) for more information.

Online Course System

The University is committed to providing a reliable online course system to all users. However, part of working in the online environment involves dealing with the inconveniences and frustration that can arise when technology breaks down or does not perform as expected. Here at UNT we have a Student Help Desk that you can contact for help with Canvas or other technology issues.

UIT Help Desk: [UIT Student Help Desk site](https://www.unt.edu/helpdesk) (https://www.unt.edu/helpdesk)

Email: helpdesk@unt.edu

Phone: 940-565-2324

In Person: Sage Hall, Room 130

Walk-In Availability: 8am-9pm

Telephone Availability:

- Sunday: noon-midnight
- Monday-Thursday: 8am-midnight
- Friday: 8am-8pm
- Saturday: 9am-5pm

Laptop Checkout: 8am-7pm

For additional support, visit [Canvas Technical Help](https://community.canvaslms.com/docs/DOC-10554-4212710328) (https://community.canvaslms.com/docs/DOC-10554-4212710328)

UNT Policies

Academic Integrity Policy

According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University.

Prohibition of Discrimination, Harassment, and Retaliation (Policy 16.004)

The University of North Texas (UNT) prohibits discrimination and harassment because of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law in its application and admission processes; educational programs and activities; employment policies, procedures, and processes; and university facilities. The University takes active measures to prevent such conduct and investigates and takes remedial action when appropriate.

Emergency Notification & Procedures

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like

chemical spills, fires, or violence). In the event of a university closure, please refer to Canvas for contingency plans for covering course materials.

Retention of Student Records

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Canvas online system, including grading information and comments, is also stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student's records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University's policy. See UNT Policy 10.10, Records Management and Retention for additional information.

Acceptable Student Behavior

Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Dean of Students to consider whether the student's conduct violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including University and electronic classroom, labs, discussion groups, field trips, etc. Visit UNT's [Code of Student Conduct](https://deanofstudents.unt.edu/conduct) (<https://deanofstudents.unt.edu/conduct>) to learn more.

Access to Information - Eagle Connect

Students' access point for business and academic services at UNT is located at: my.unt.edu. All official communication from the University will be delivered to a student's Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail [Eagle Connect](https://it.unt.edu/eagleconnect) (<https://it.unt.edu/eagleconnect>).

Student Evaluation Administration Dates

Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The survey will be made available during weeks 13, 14 and 15 of the long semesters to provide students with an opportunity to evaluate how this course is taught. Students will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" (no-reply@iasystem.org) with the survey link. Students should look for the email in their UNT email inbox. Simply click on the link and complete the survey. Once students complete the survey they will receive a confirmation email that the survey has been submitted. For additional information, please visit the [SPOT website](http://spot.unt.edu/) (<http://spot.unt.edu/>) or email spot@unt.edu.

Survivor Advocacy

UNT is committed to providing a safe learning environment free of all forms of sexual misconduct. Federal laws and UNT policies prohibit discrimination on the basis of sex as well as sexual misconduct. If you or someone you know is experiencing sexual harassment, relationship violence, stalking and/or sexual assault, there are campus resources available to provide support and assistance. The Survivor Advocates can be reached at SurvivorAdvocate@unt.edu or by calling the Dean of Students Office at 940-5652648.

Important Notice for F-1 Students taking Distance Education Courses

Federal Regulation

To read detailed Immigration and Customs Enforcement regulations for F-1 students taking online courses, please go to the [Electronic Code of Federal Regulations website](http://www.ecfr.gov/) (<http://www.ecfr.gov/>). The specific portion concerning distance education courses is located at Title 8 CFR 214.2 Paragraph (f)(6)(i)(G).

The paragraph reads:

(G) For F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per session, term, semester, trimester, or quarter may be counted toward the full course of study requirement if the class is taken on-line or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. An on-line or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, or satellite, audio conferencing, or computer conferencing. If the F-1 student's course of study is in a language study program, no on-line or distance education classes may be considered to count toward a student's full course of study requirement.

University of North Texas Compliance

To comply with immigration regulations, an F-1 visa holder within the United States may need to engage in an on-campus experiential component for this course. This component (which must be approved in advance by the instructor) can include activities such as taking an on-campus exam, participating in an on-campus lecture or lab activity, or other on-campus experience integral to the completion of this course.

If such an on-campus activity is required, it is the student's responsibility to do the following:

- (1) Submit a written request to the instructor for an on-campus experiential component within one week of the start of the course.
- (2) Ensure that the activity on campus takes place and the instructor documents it in writing with a notice sent to the International Student and Scholar Services Office. ISSS has a form available that you may use for this purpose.

Because the decision may have serious immigration consequences, if an F-1 student is unsure about his or her need to participate in an on-campus experiential component for this course, s/he should contact the UNT International Student and Scholar Services Office (telephone 940-565-2195 or email internationaladvising@unt.edu) to get clarification before the one-week deadline.

Student Verification

UNT takes measures to protect the integrity of educational credentials awarded to students enrolled in distance education courses by verifying student identity, protecting student privacy, and notifying students of any special meeting times/locations or additional charges associated with student identity verification in distance education courses.

See [UNT Policy 07-002 Student Identity Verification, Privacy, and Notification and Distance Education Courses](https://policy.unt.edu/policy/07-002) (<https://policy.unt.edu/policy/07-002>).

Use of Student Work

A student owns the copyright for all work (e.g. software, photographs, reports, presentations, and email postings) he or she creates within a class and the University is not entitled to use any student work without the student's permission unless all of the following criteria are met:

- The work is used only once.
- The work is not used in its entirety.
- Use of the work does not affect any potential profits from the work.
- The student is not identified.
- The work is identified as student work.

If the use of the work does not meet all of the above criteria, then the University office or department using the work must obtain the student's written permission.

Download the UNT System Permission, Waiver and Release Form

Transmission and Recording of Student Images in Electronically-Delivered Courses

1. No permission is needed from a student for his or her image or voice to be transmitted live via videoconference or streaming media, but all students should be informed when courses are to be conducted using either method of delivery.
2. In the event an instructor records student presentations, he or she must obtain permission from the student using a signed release in order to use the recording for future classes in accordance with the Use of Student-Created Work guidelines above.
3. Instructors who video-record their class lectures with the intention of re-using some or all of recordings for future class offerings must notify students on the course syllabus if students' images may appear on video. Instructors are also advised to provide accommodation for students who do not wish to appear in class recordings.

Example: This course employs lecture capture technology to record class sessions. Students may occasionally appear on video. The lecture recordings will be available to you for study purposes and may also be reused in future course offerings.

No notification is needed if only audio and slide capture is used or if the video only records the instructor's image. However, the instructor is encouraged to let students know the recordings will be available to them for study purposes.

Class Recordings & Student Likenesses

In case synchronous (live) sessions in this course will be recorded for students enrolled in this class section to refer to throughout the semester: Class recordings are the intellectual property of the university or instructor and are reserved for use only by students in this class and only for educational purposes. Students may not post or otherwise share the recordings outside the class, or outside the

Canvas Learning Management System, in any form. Failing to follow this restriction is a violation of the UNT Code of Student Conduct and could lead to disciplinary action.

Academic Support & Student Services

Student Support Services

Mental Health

UNT provides mental health resources to students to help ensure there are numerous outlets to turn to that wholeheartedly care for and are there for students in need, regardless of the nature of an issue or its severity. Listed below are several resources on campus that can support your academic success and mental well-being:

- [Student Health and Wellness Center](https://studentaffairs.unt.edu/student-health-and-wellness-center) (https://studentaffairs.unt.edu/student-health-and-wellness-center)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (https://studentaffairs.unt.edu/counseling-and-testing-services)
- [UNT Care Team](https://studentaffairs.unt.edu/care) (https://studentaffairs.unt.edu/care)
- [UNT Psychiatric Services](https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry) (https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry)
- [Individual Counseling](https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling) (https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling)

Chosen Names

A chosen name is a name that a person goes by that may or may not match their legal name. If you have a chosen name that is different from your legal name and would like that to be used in class, please let the instructor know. Below is a list of resources for updating your chosen name at UNT.

- [UNT Records](#)
- [UNT ID Card](#)
- [UNT Email Address](#)
- [Legal Name](#)

**UNT eulDs cannot be changed at this time. The collaborating offices are working on a process to make this option accessible to UNT community members.*

Pronouns

Pronouns (she/her, they/them, he/him, etc.) are a public way for people to address you, much like your name, and can be shared with a name when making an introduction, both virtually and in-person. Just as we ask and don't assume someone's name, we should also ask and not assume someone's pronouns.

You can [add your pronouns to your Canvas account](#) so that they follow your name when posting to discussion boards, submitting assignments, etc.

Below is a list of additional resources regarding pronouns and their usage:

- [What are pronouns and why are they important?](#)
- [How do I use pronouns?](#)
- [How do I share my pronouns?](#)

- [How do I ask for another person's pronouns?](#)
- [How do I correct myself or others when the wrong pronoun is used?](#)

Additional Student Support Services

- Registrar (<https://registrar.unt.edu/registration>)
- [Financial Aid](https://financialaid.unt.edu) (<https://financialaid.unt.edu>)
- [Student Legal Services](https://studentaffairs.unt.edu/student-legal-services) (<https://studentaffairs.unt.edu/student-legal-services>)
- [Career Center](https://careercenter.unt.edu) (<https://careercenter.unt.edu>)
- [Multicultural Center](https://idea.unt.edu/multicultural-center) (<https://idea.unt.edu/multicultural-center>)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (<https://studentaffairs.unt.edu/counseling-and-testing-services>)
- [Pride Alliance](https://idea.unt.edu/pridealliance) (<https://idea.unt.edu/pridealliance>)
- [UNT Food Pantry](https://studentaffairs.unt.edu/food-pantry) (<https://studentaffairs.unt.edu/food-pantry>)

Academic Support Services

- [Academic Resource Center](https://clear.unt.edu/canvas/student-resources) (<https://clear.unt.edu/canvas/student-resources>)
- [Academic Success Center](https://success.unt.edu/asc) (<https://success.unt.edu/asc>)
- [UNT Libraries](https://library.unt.edu) (<https://library.unt.edu>)
- [Writing Center](https://writingcenter.unt.edu) (<https://writingcenter.unt.edu>)
- [Math Lab](https://learningcenter.unt.edu/math-lab) (<https://learningcenter.unt.edu/math-lab>)

Emergency Notification and Procedures

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MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8/17	8/18 Go over syllabus Section 1.1	8/19	8/20 Section 1.1 Section 1.2	8/21
8/24	8/25 Section 1.3 Section 1.4	8/26	8/27 Section 1.4 Section 1.5 HW Set 1 Due Quiz 1	8/28
8/31	9/1 Section 1.6	9/2	9/3 Section 1.7 HW Set 2 Due Quiz 2	9/4
9/7	9/8 Section 1.8	9/9	9/10 Section 1.9 HW Set 3 Due Quiz 3	9/11
9/14	9/15 Section 2.1 Section 2.2	9/16	9/17 Exam 1	9/18
9/21	9/22 Section 2.3 Section 2.5	9/23	9/24 Section 2.8 Section 2.9 HW Set 4 Due Quiz 4	9/25
9/28	9/29 Section 3.1 Section 3.2	9/30	10/1 Section 3.3 Section 4.1 HW Set 5 Due Quiz 5	10/2

10/5	10/6 Section 4.3 Section 4.4	10/7	10/8 Section 4.5 Section 4.6 HW Set 6 due Quiz 6	10/9
10/12	10/13 Section 5.1	10/14	10/15 Exam 2	10/16
10/19	10/20 Section 5.2	10/21	10/22 Section 5.3 HW Set 7 Due Quiz 7	10/23
10/26	10/27 Section 5.3	10/28	10/29 Section 5.6 HW Set 8 Due Quiz 8	10/30
11/2	11/3 Section 5.7	11/4	11/5 Section 5.9 HW Set 9 Due Quiz 9	11/6
11/9	11/10 Section 6.1 Section 6.2	11/11	11/12 Section 6.3 Section 6.4 HW Set 10 Due Quiz 10	11/13
11/16	11/17 Catch up day/ Review	11/18	11/19 Exam 3	11/20
11/23 Thanksgiving Break	11/24 Thanksgiving Break	11/25 Thanksgiving Break	11/26 Thanksgiving Break	11/27 Thanksgiving Break

11/30	12/1 Review for final	12/2	12/3 Review for final	12/4 Reading day, no class
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Unauthorized Aids During Examinations and Assessments

Students may use only those materials and resources that are expressly authorized by the instructor for a particular examination or assessment. Touching, holding, or accessing any unauthorized aid during the examination period constitutes a violation of the Student Code of Conduct, regardless of whether the aid is used.

Any item that may be considered an unauthorized aid must be kept out of view and in a closed container (e.g. zipped backpack, buttoned purse, etc.) during the entirety of the examination or assessment.

Unless specifically authorized in writing by the instructor, prohibited aids include, but are not limited to:

- Mobile phones and smartphones
- Smartwatches and fitness trackers with communication, recording, or internet capabilities
- Tablets, laptops, and other computing devices
- Earbuds, headphones, and other audio devices
- Smart glasses, cameras, recording devices, and wearable technology
- Artificial intelligence (AI) tools, chatbots, and other generative AI technologies
- Notes, textbooks, study guides, formula sheets, or reference materials
- Any other device, material, or resource not expressly permitted by the instructor

Students are responsible for clarifying any questions about permitted materials before the examination begins.