

MATH 2641: LINEAR ALGEBRA I

Summer 2022 CRN: 55755-010

Instructor:	Dr. Joshua Miller	Time:	TTh 10:55-1:25
Email:	jmiller208@gsu.edu	Place:	Multiverse

Prerequisites: A grade of C or higher in MATH 2212, or an equivalent transfer credit.

Course Description: Theory and applications of matrix algebra, vector spaces, and linear transformations. Topics include linear equations and matrices, invertible matrices, determinants, vector spaces, subspaces, bases, and eigenvalues and eigenvectors.

Drop-In Hours: Feel free to drop-in anytime TTh 9:55-10:55 (Webex Link for that Day), MW 10:55-1:25, other times are available by appointment. Webex: [Drop-In Online Link](#)

Textbook and Course Material:

- *Linear Algebra and Its Applications, 6th Edition* by David Lay.
- MyLab Access Length: ISBN 9780135851159. *With MyLab Math access includes access to the e-Text.*
- Access to the myLab course is through iCollege, it does not require an access code, it can also be purchased through the links as well.

Attendance: Attendance will be taken every class meeting, if you are not able to attend please contact me so we can discuss the material that is or will be missed. Please see the Verified Absence Policy on how to get a verified absence, when an absence causes you to miss an assignment or exam, you need to get an excused absence through the Dean of Students.

Homework: **There will be weekly homeworks that are managed using the MyLab Math system.** MyLab Math is an online software program that can accessed at <https://www.pearson.com/mylab> and features a variety of methods to help you practice and master the material. MyLab Math features an interactive textbook and homework problems that provide immediate feedback and guided help. **Please note that access to MLM is a required component of this course, the ENTIRE TEXTBOOK is available electronically on the website.**

Note: When taking an online homework, utilize the built in **Learning Aides** which includes: **View an Example or Help me Solve This.**

Watch MyLab Math for due dates on these assignments.

MyLab Math Questions: To register for MyLab Math, you will need:

1. Log into iCollege, under content browser is Access MyLab
2. Click the module, click any link to and follow the prompts
3. A valid email address, your GSU email is recommended to make your account.
4. Access code, note that for the first week you are able to register using the temporary access. You can purchase everything through the link or through the bookstore.

Be aware that MLM does have scheduled down times, so be prepared in case that homework is due during those times. Whenever you have a technical issue with MLM, please use the Support link: [Pearson Support](#).

Tentative Course Outline: We will cover the following chapters from the text: Chapter 1, 2, 3, 4, 5. Below is the tentative schedule, please note that the schedule can change depending on the pacing:

Week 1	6/7: Introduction, 1.1, 1.2, 1.3	6/9: 1.4, 1.5
Week 2	6/14: 1.6, 1.7, 1.8	6/16: 1.8, 1.9, Review Exam 1
Week 3	6/21: 2.1, 2.2, 2.3	6/23: 2.4 2.8, 2.9
Week 4	6/28: 3.1, 3.2	6/30: Review Exam 2
Week 5	7/5: 4.1, 4.2, 4.3	7/7: 4.4, 4.5, 4.6
Week 6	7/12: 5.1, 5.2	7/14: 5.3, 5.4
Week 7	7/19: Review for Exam 3	7/21: Final Exam Review
Week 8	MLM Assignments Due: 7/25	Final Exam: 7/26-7/29

Course Assignments:

Homework:

- **Online homework assignments may be attempted an unlimited number of times prior to the due date.** The highest score is recorded.
- Homework assignments may be taken in any location and should be used to prepare for the exams. Since the homework assignments can be taken an unlimited number of times, you are able to practice these problems until you are able to complete them without any assistance.
- **Any missed homework may be completed for at most 85% of the total assignment grade.**

Tests:

- There are **three online** exams and a final exam **required and is comprehensive**.
- These exams will be closed-books, closed notes, and with basic calculators allowed.
- These exams will be administered via iCollege and they require the use of Lockdown Browser and webcam.

Tips on being Successful in this Course:

1. Ask questions, do not be afraid to raise your hand and say you do not understand.
2. Attend office hours, I offer some WebEx office hours, utilize them.
3. If you are sick, let me know. We can talk about what you missed.
4. Do not be afraid to email me or contact me through Discord.
5. If you are having technology problems, let me know. I can try to help or point you to the best person to help you.

Grade Breakdown:

Homework	20%
Test (3 at 17% each)	51%
Attendance	9%
Final Exam	20%
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Total	100%

Note: If your Final Exam score is higher than your lowest non-zero test score, then that test score will be replaced by the average of the test score and the final exam in the determination of your final course grade. The overall average in your online grade book may be incorrect due to unattempted assignments not being set to zero. Your homework average is correct ONLY after work not attempted has been assigned a 'zero'.

Calculate your Grade: The Course Grade is computed by using the following formula:

$$\text{Score} = .20(\text{HW}) + .51(\text{Test 1} + \text{Test 2} + \text{Test 3})/3 + .09(\text{Attendance}) + .20(\text{Final})$$

Grading Scale:

Grade	A+	A	A-	B+	B	B-	C+	C	D	F
Range	97-100	93-96	90-92	87-89	83-86	80-82	77-79	70-76	60-69	0-59

Rounding: When determining the final course average, grades will be rounded in the usual way. For example, a grade of 86.5 will be rounded to an 87, a grade of 86.4 will be rounded to an 86.

Exam Dates and Covered Materials:

Test 1: 6/17-6/18, Chapter 1

Test 2: 7/1-7/2, Chapter 2, 3

Test 3: 7/22-7/23, Chapter 4, 5

Final Exam,: 7/26-7/29 (required and comprehensive)

Prerequisite Policy: During the first two weeks of the semester the Department of Mathematics and Statistics checks whether or not each student has met the prerequisites for this course. If you do not have the prerequisites, please inform me and change to another course right away. If our check finds that you do not have the prerequisites, you must drop this course or you will be dropped (or withdrawn) automatically.

Withdrawal: July 1st is the last day for regular withdrawal which avoids the grade of "F" or "WF". Please note, if you stop attending the course before the semester midpoint (July 1st), you may be administratively withdrawn from the course and receive a withdrawal grade. Attending the course implies consistent and active academic involvement in iCollege and on MLM. Failure to meet the following requirements will be considering as lack of attendance.

1. If you do not access any class resource on iCollege during the first five days of the semester, you will be administratively withdrawn from the class for non-attendance.
2. If you do not register for MLM during the first week, you will be administratively withdrawn from the class for non-attendance.

3. If you do not have full access to MLM by June 14th, you will be administratively withdrawn from the course. If you have financial difficulties, please contact me.
4. If you create an MLM account but have a combined average of less than 50% for the homework assignments from the first week, you will be administratively withdrawn from the class for non-attendance.

Calculator Policy: For all graded assignments you are allowed (but not required!) to use a non-programmable, non-graphing, non-symbolic/algebra-solving scientific calculator. Use of mobile phones is not permitted in place of a calculator under any circumstances. Breaking these rules will be treated as cheating according to the university guidelines below.

Policies:

Make-Up Policy: No make-up exams will be given unless in some extreme situations, like university-approved excuses which must be verified in writing. If feasible, written notification in advance is required. Otherwise, it allows two working days for notification. Excuses must have some form of written verification, such as a doctor's note. Absence from the final exam will result in a grade of F for the course unless arrangements are made PRIOR to (one week before) the administration of the test. Absences are taken care of through the Dean of Students online form: [Click here](#).

Incomplete Policy: Assignment of incompletes by an instructor follows the university policy on incompletes. In particular, incompletes can be assigned at the discretion of the instructor and not the student. The student must have completed most of the major assignments of the course (generally all but one). The student must be earning a passing grade in the course in the judgment of the instructor. A schedule for completion of assignments must be approved prior to the assignment of the incomplete.

Verified Absence Policies: Students who want to do well in this course will attend class following the class attendance policy. You will need an excused absence due to illness. GSU has a process for students seeking excused absences through the Dean of Students Office. Students submit documentation to [Click Here](#). Professors will then be notified by the Dean of Students of any excused absence without the need to manage medical information individually.

Cheating & Plagiarism Policy: Cheating/plagiarism will not be tolerated on any work. A first occurrence will result in a grade of 0 on the assignment for all concerned parties as well as an Academic Dishonesty form being filed with the Dean of Students. A second occurrence will result in a grade of F for the course for the concerned parties and a second Academic Dishonesty form being filed." Also refer to the university Policy on Academic Honesty. For example: This course is conducted in a manner consistent with the university policy on academic honesty at [Code of Conduct](#).

Lockdown Browser: In an effort to curb cheating on online assignments, you will be required to use Lockdown Browser with Respondus Monitor (webcam proctoring) when taking assignments on iCollege. You should familiarize yourself with how this works and the hardware requirements by visiting [Click Me](#). (Note that this software doesn't work with Chromebooks.) A video of you taking your assignment is made and analyzed, providing the instructor with information about any incidents that might occur while you are taking it. More information on what is provided to the instructor can be found here: [Click Me](#). If you require additional hardware/software support to meet these requirements, you should contact CETL about resources available to you.

Unauthorized Public Posting and Distribution Policy: The selling, sharing, publishing, presenting, or distributing of instructor-prepared course lecture notes, videos, audio recordings, or any other instructor-produced materials from any course for any commercial purpose is strictly prohibited unless explicit written permission is granted in advance by the course instructor. This includes posting any materials on websites such as Chegg, Course Hero, OneClass, Stuvia, StuDocu and other similar sites. Unauthorized sale or

commercial distribution of such material is a violation of the instructor's intellectual property and the privacy rights of students attending the class, and is prohibited. Failure to abide by these limitations constitutes a violation of the Policy on Academic Honesty and will be treated accordingly.

Disruptive Student Conduct in Classroom or Other Learning Environment: The university's disruptive student policy applies and students should familiarize themselves with the relevant parts of the student code of conduct at [Code of Conduct](#).

Student Accommodation: Students who wish to request accommodation for a disability may do so by registering with the Access & Accommodations center (formerly, Disability Service), Email: access@gsu.edu, Web: access.gsu.edu, Phone: 404-413-1560. Students may only be accommodated upon issuance by the Office a signed Accommodation Plan and are responsible for providing a copy of that plan to instructors of all classes in which accommodations are sought. Students eligible for extra time will be given additional time for the tests as indicated in the Letter of Accommodation. However, no additional arrangement will be made for the online assignments as this privilege is already incorporated in the online assignments.

Assessment of the Course: Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take time to fill out the online course evaluation.

Diversity Statement: As your teacher, I value human diversity in my classes whether expressed through race and ethnicity, culture, political and social views, religious and spiritual beliefs, language and geographic characteristics, gender, gender identities and sexual orientations, learning and physical abilities, age, and social or economic classes. I promise to respect the value of every student in this this class, and all of my students are encouraged to share his or her unique perspective as an individual, not as a representative of any category. Multicultural and intercultural awareness and competencies are key leadership skills, and we intend to present material and classroom activities that respect and celebrate diversity of thought, background, and experience. One part of your collegiate education is to challenge assumptions and to provide new and sometimes challenging ways of looking at issues, however if you ever feel uncomfortable regarding content or perspectives that are presented or discussed by myself, guest speakers, or other students I encourage you to contact me immediately so that we can discuss those feelings. I would like to use your preferred language when addressing you, so please let me know if your preferred name (or the pronunciation of that name) differ from what we are using and we ask that each of you let us know your preferred gender pronouns. Your suggestions on how to incorporate diversity in this course in a meaningful way are appreciated and encouraged.

Student Basic Needs: Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable us to provide resources that we may possess. The [Embark program at GSU](#) provides resources for students facing homelessness.

Academic Support:

1. Form virtual study groups with your classmates, we have a discord server to help facilitate this or host!
2. Ask your instructor!!! Ask all your questions during your instructors' virtual office hours or by email.
3. Visit the Math Assistance Complex (MAC) at [MAC Tutoring](#) for free online tutoring help.
4. Visit the Counseling and Testing Center at [Counseling Center](#) for learning assistance, test anxiety classes, student support services, etc.

This syllabus is subject to change at the instructor's discretion. All changes to the course will be announced in class or on iCollege and all students are responsible for keeping track of such

changes.