

MATH.2220 LINEAR ALGEBRA FALL 2025

Instructor: Dr. Emily Gunawan

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Office Hours (Student Hours): Tue 2-3pm, Tue 5-6pm, and Thurs 2-3pm at Southwick Hall 350M.
Also available by appointments (at Southwick Hall or via Zoom).

Prerequisites for the Course

Passing grade in Math.2210 Introduction to Linear Algebra

Course Materials

Optional Purchase: Linear Algebra and Its Applications (6th Edition) by David C. Lay, Steven R. Lay, and Judi J. McDonald. You can check out a physical copy of the textbook at Lyndon Library (North Campus) "Course Reserves" for two hours. It's also available to at the math tutoring center in Southwick 310.

Required Purchase: MyLabMath with eTextbook access to the textbook

To register and purchase access to MML, go to our course blackboard home page and select a link called "Pearson Access". Follow the rest of the instruction here: [Pearson MyLab Math: Student Registration Instructions for Blackboard](#)

Cheapest option available through Pearson (once you register using the instructions given above): 18 week MML and eTextbook access direct from Pearson \$89.99.

This textbook/MML is different from the textbook used for Spring 2025 Intro to Linear Algebra at UML. If you need financial help, please contact me.

Core Topics

Most of Chapters 1, 4, 6-8, and Sec 2.3. Various enrichment topics may be added if time permits.

Attendance and participation

Students are expected to attend class regularly, as regular attendance is one of the most important contributors to student success. However, students may occasionally need to miss class due to illness, emergency, or caring for a sick family member. In such cases, you are responsible for notifying me of your absences. Please communicate your requests with me regularly and with as much advance notice as possible.

Likewise, if I should become ill or need to miss class, I will communicate with you via your UML email as soon as possible with clear instructions.

If the campus is closed due to weather or other unforeseen circumstances, please check your UML email for information on how to proceed. Class may be canceled, held virtually, or course material may be presented in a different way in order to stay on schedule.

- Prolonged absences: In the rare case of a prolonged medical or personal absence, please contact me as soon as possible so we can discuss whether it is advisable for you to remain in class, and if so, to come up with a plan for you to make up missed work.

Assignment Guidelines

How You Will Be Graded

Your final course grade will be based on the following:

Requirement	Description	% Total Grade
Group quizzes and activities	Approximately 1-2 times per week	5%
Individual Quizzes	Approximately eight quizzes (announced ahead of time on the Schedule table on Blackboard)	15%
Homework	Pearson MyLab Math	15%
Exam 1	Thurs, Sept 25	15%
Exam 2	Tue, Oct 21	15%
Exam 3	Tue, Nov 18	15%
Final Exam	During final exams period	20%
Total:		100%

Your final course letter grade will be determined as follows:

Numeric Grade:	Letter Grade:
[93-100]	A
[90-93)	A-
[86-90)	B+
[82-86)	B
[78-82)	B-
[74-78)	C+
[70-74)	C
[66-70)	C-
[63-66)	D+
[60-63)	D
[0-60)	F

Assessment and Evaluation Methods

Homework (15%)

For each section of the textbook, there will be a problem set in **Pearson MyLab Math** (MML), accessed via our Blackboard course. You have **five** attempts to answer each problem on MML. If you enter an incorrect answer into MML you'll be asked to try again; after a few tries, you'll be given a new version of the problem.

If you do not complete an MML homework by the due date, you have two extra weeks work on the homework to increase your grade; however, **the grade earned on work completed during these two weeks will be reduced by 20%**. The portion of the work completed prior to the due date will still earn full credit, even if you finish the assignment late. The last day to work on late MML is the day before the final exam.

An MLM assignment will close two weeks after the full-credit deadline. But you can still access it to do practice problems by going to “Gradebook” on Pearson. I suggest keeping a notebook where you can record all your handwritten work for the MML homework.

Individual Quizzes (15%) and Group Quizzes/Activities (5%)

There will be approximately eight short in-class quizzes, announced during class and on Blackboard (under “Schedule”) ahead of time. The first individual quiz will be on Tue, Sept 9 (based on review materials and MML01 homework). Each quiz will usually be at the beginning of class, on paper, and 10-15 minutes long.

There will be group quizzes/activities almost every class. No electronics/notes are permitted during the group, however the groups may ask me for a lot of help, hints, and partial answers. Group members will usually be assigned randomly for each group activity.

Exams (each of two exams is worth 15%; the final exam is worth 20% of the final grade)

There will be three exams during the semester and a final exam at the end of the session. The three in-class exams will be on **Thurs, Sept 25** (Exam 1), **Tue, Oct 21** (Exam 2), and **Tue, Nov 18** (Exam 3).

The final exam will be a common final exam given during Sat, Dec 13 – Sat, Dec 20 (time/date will be announced by the university).

Make Up Policy

- **Quizzes and Group Activities:** There are no make-ups for missed quizzes. If you are sick or have mandatory travels (military service, UML athletic events, etc), please let me know and I will drop that day’s quiz score for you.
- **Exam 1, Exam 2, Exam 3, and Final Exam:** there will be no make-ups for exams, unless prior arrangements have been made with the instructor; in cases of emergency, requests for make-up work may be discussed with the instructor and will be handled on an individual basis.

Optional Calculator for homework

Calculators will **not** be allowed in exams and quizzes, and they will not be necessary. You may, if you wish, use calculators or computer software like [desmos.com](https://www.desmos.com) while working on the homework.

Academic Integrity Policy

All UMass Lowell students are advised that there is a [University policy regarding academic integrity](#). Students are responsible for the honest completion and representation of their work. A student who cheats on an examination or assignment is subject to administrative dismissal. Even though you are encouraged to work together on homework, *copying or letting someone else copy your homework solution is cheating*. Don’t do it.

Tutoring Resources and Centers for Learning and Academic Support Services (CLASS):

Mathematics department tutoring at Southwick and Zoom: The math department tutoring center in Southwick 310 offers tutoring Monday through Friday 10am-5pm, and on weekends 5-8pm via Zoom. For more details, please check the following link:

<https://www.uml.edu/Sciences/mathematics/Students/For-Students.aspx>

Academic Support Services (CLASS): CLASS offers tutoring and Writing Center services. [Online searchable tutoring schedules](#) are available that include resources on all campuses.

Disability Services Academic Accommodations

If you are registered with Disability Services and will require academic accommodations, please notify me via the Accommodate [semester request process](#) as soon as possible so that we might make appropriate arrangements. It is important that we connect to discuss the logistics of your academic accommodations; please speak to me during office hours, privately after class, or send me an email. If you need further information or need to register for academic accommodations, please visit the [Disability Services Website](#).

Student Mental Health and Well-being

Your personal health and well-being are important to all of us at the university. I'm available to talk about your stresses or concerns related to your coursework in my class.

Here are some resources to support your well-being:

- [Counseling Services](#) provide crisis intervention, assessment, referrals, short term individual counseling and group therapy. Call to book an appointment at (978) 934-6800.
- [UMatter2](#) is a university-wide initiative to support students and promote mental health. They can be reached at (978) 934-6671.
- [Centers for Learning and Academic Support Services \(CLASS\)](#) provides advising services including goal setting, course selection, SIS functions, changing majors/minors and course deletions. (978) 934-2936 or Advisement@uml.edu.
- The mission of the [Office of Student Life & Wellbeing](#) is to advance the holistic concept for student success by infusing health-promoting actions and collaboration into campus culture. They can be reached at 978-934-4342 or Wellbeing@uml.edu.

Diversity, Inclusion, and Classroom Community Standards

UMass Lowell — and your professor — value human diversity in all its forms, 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, parenting status and social or economic backgrounds. Enrich yourself by practicing respect in your interactions, and enrich one another by expressing your point of view, knowing that diversity and individual differences are respected, appreciated, and recognized as a source of strength.

[The Office of Multicultural Affairs \(OMA\)](#) supports and advocates for students while leading diversity-related programming. It also works to create an inclusive environment for LGBTQ+ individuals via the LGBTQ+ Resource Center. Contact (978)934-4336 or Multicultural Affairs@uml.edu.