

MATH 235-04: Linear Algebra
University of Massachusetts, Spring 2018
MWF 12:20-1:10 PM, Goessmann Lab Addition room 151

Instructor: Andrew Havens

Email: havens@math.umass.edu

Please be aware: email sent to any other email address may be missed or incidentally discarded.

Office Hours: Monday 1:20 pm - 2:20 pm, Wednesday 9:30 am - 10:30 am and 1:20 pm to 2:20 pm, in LGRT 1323L, or by appointment.

Course topics include:

- linear systems of equations and their solutions
- vector spaces, subspaces, and linear transformations
- matrices, determinants, inverses, kernels, and images
- eigenvectors, eigenvalues
- Orthogonality and inner products

Section website: people.math.umass.edu/~havens/math235-4.html

Main course website: people.math.umass.edu/~hacking/235S18common/index.html

Grading: Your course grade will be determined based on the following:

5% Quizzes/Classwork

20% Homework

25% Midterm 1

25% Midterm 2

25% Final Exam

Grading Scale:

A	A-	B+	B	B-	C+	C	C-	D+	D	F
90	87	84	80	77	74	70	67	64	57	< 56

Important Dates:

January 22: First day of class

February 5: Add/drop deadline

February 27: Midterm 1

March 7: Withdraw deadline

April 10: Midterm 2

May 1: Last day of classes

May 7: Final exam

Textbook, Homework, and Quizzes: The text book for this course is *Linear algebra and its applications* (5th edition) by David Lay, Steven Lay, and Judi McDonald. MyMathLab is required for this course, and is the platform through which homework is assigned and graded. An electronic copy of the textbook is included in your purchase of MyMathLab. Go to www.mymathlab.com and use the Course ID, which will be provided by email at the start of the course. If you register for the course after the first day of class, please email me to obtain the Course ID.

Online homework is due every Tuesday and Thursday starting January 30, unless otherwise announced. There is a penalty for late homework. If you need an extension due to extenuating circumstances you must contact me before 5:00 pm the night it is due.

There will be occasional quizzes or in class exercises to help me assess your grasp of the material. These will be given during or at the end of some lectures, and sometimes I will allow discussion, or allow them to be taken home and returned at the start of the next lecture. After some in class examples, I may ask that you work collaboratively or individually on a few related problems. What you write down during such activities may be collected as the quiz. There will be no late quizzes accepted and no makeup quizzes given except in truly extenuating circumstances.

You may work on the homework with your fellow students, but note that there is no collaboration permitted on exams. You are responsible for coming to your own independent understanding of the material.

Classroom Policy: You are expected to attend the lectures. If you must miss a lecture, I advise you to contact me by email and come to my office hours when possible. Please try to arrive to class a few minutes early so we can get started right at 12:20 PM. Turn off/silence cell phones or other noisy devices before the start of class. If you must take an emergency call, please leave quietly and accept the call out of earshot from university classrooms. Please do not use a laptop, tablet, smartphone, or similar computing device during class (exceptions may be granted for students with a letter of accommodation who properly request the use of such a device as a learning aid).

Notes: I will provide access to my notes and other resources I gather, which you may find on the section website or through emails. Please note that lecture content may not perfectly mirror the text, and contains original examples. **You are not authorized to distribute notes collated from my lecture, or any notes provided to you by me, for any profit or material compensation. If you wish to share written notes based upon my lectures or notes, you must obtain my express written consent. You may not create audio or visual recordings of my lectures, for personal use or distribution, without my express permission.**

Exams: There will be two midterm evening exams, locations TBA:

Midterm Exam 1: Tuesday, February 27nd from 7:00 PM to 9:00 PM,

Midterm Exam 2: Tuesday, April 10th from 7:00 PM to 9:00 PM.

If you must miss an exam for any reason, you must notify me and provide documentation at least one week before the date of the exam. If you need special accommodations for the exams, please notify me by email and contact the disability services center at examsaccess@admin.umass.edu *right away*.

The final exam will take place on Monday May 7th, 10:30AM-12:30PM, in Boyden gym.

Office Hours and Tutoring: I will hold office hours every Monday and Wednesday in LGRT 1323L from 1:20 pm to 2:20 pm, with an additional hour Wednesday Mornings 9:30 am to 10:30 am *upon request* (email me to confirm if you would like to meet during this time). If you cannot make the scheduled hours and would like to meet with me at another time, please send an email to me requesting an appointment and include your availability for the week in which you would like to meet.

Academic Honesty and Good Conduct: All issues will be handled strictly according to the UMass Code of Conduct, as detailed on the Dean of Students Office website.