

Linear Algebra Syllabus
Math 250 Section B2
May 30th- July 6th

1. COURSE INFORMATION

Instructor: Abigail Raz

Email: abigail.raz@rutgers.edu

Website: There is a course site on Sakai. This is where I will post announcements and homeworks. It is your responsibility to check Sakai regularly and ensure that you are receiving the emails.

Office: Hill Center 628 (Busch Campus)

Office Hours: (Subject to change)

Tuesday and Thursday 2:30-4

Wednesday 11-12

All office hours are held in my office Hill 628.

Additional office hours are available by appointment. If you wish to meet with me you must email me no later than 5 pm on the day before you would like to meet.

Prerequisites: Math 152 or another Calc II equivalent

Class Time and Location: MTWH 12:20-2:20 pm in SEC 206 on Busch Campus

Textbook: Spence, Insel, & Friedberg: Elementary Linear Algebra: A Matrix Approach, 2nd Edition Prentice-Hall (ISBN: 978-0-13-187141-0).

Full disability policies and procedures are indicated at <http://ods.rutgers.edu/>
Students with disabilities requesting accommodations must present a Letter of Accommodations to the instructor as early in the term as possible (see <https://ods.rutgers.edu/my-accommodations/letter-of-accommodations>)

All students in the course are expected to be familiar with and abide by the academic integrity policy (<http://academicintegrity.rutgers.edu/academic-integrity-at-rutgers>). Violations of the policy are taken very seriously.

In high school you likely saw systems of linear equations and were taught to solve them via the “elimination” method. In this class we will generalize this method and build up the theoretical framework surrounding it. We will study both the theoretical mathematics and the algorithms that the theory provides to solve practical problems.

Linear Algebra will likely feel different than any math course you have taken up until now. This course will combine both computational skills with matrices and vectors with the start of proof understanding and writing. Given the subject material and pace of the course it is critical that you come to my office hours if you begin to fall behind.

Given the long class periods I will periodically break up the class into groups to work on problems. This group work will not be graded, but I reserve the right to change that if focus during this period becomes an issue. Additionally, I will occasionally ask for a student to present a solution to the group work on the board. Every such presentation will earn that student an extra credit point on the final.

2. ASSIGNMENTS AND GRADES

The breakdown of grades for the course is as follows:

Participation	5%
Homework	15%
Quizzes	20%
Midterm	25%
Final	35%

Participation: Every student will start with a base participation grade of 90%. You can gain points by being attentive, asking or answering questions in class, and attending office hours. You will lose points here for poor attendance or distracting behavior such as consistently checking your phone during class. Short participation quizzes may be given as a method of checking attendance. These should be easy points.

Quizzes: We will have eight short quizzes throughout the summer. See the calendar at the end of the syllabus for the quiz dates. There will be no make-up quizzes, but the lowest quiz score will be dropped.

Homework: There will be homework due at the start of class every Monday and Thursday (except the day of the final). The homework will be posted on Sakai in the resources section. Homework will be due in two parts. Part 1 will be graded by a grader, while I will grade Part 2. They must be turned in separately since they will go to two different people. The lowest homework grade for Part 1 and the lowest homework grade for Part 2 will be dropped. Late homework will not be accepted; if you know you cannot make class you may email me your homework. The assignment must be in my email mailbox by 12:15 pm the day it is due.

Homework must be legible and stapled. After the first homework I will deduct points if they are not.

While you are allowed and encouraged to work with your classmates on the homework the write-up that you ultimately hand in should be completely your own. At no point should you copy a solution from another student or any other source. At the top of every homework please list the students with whom you worked on that assignment.

Midterm: There will be one midterm on Thursday June 15th in class. Make-ups will only be given in genuine, unavoidable, and clearly documented instances. This means there must be a doctor's note, notice of court appearance, etc indicating that you were unable to attend the exam. You should contact me as soon as you know you will not be able to attend the exam.

Final: The final will be on the last day of classes: July 6th. It will start at the beginning of class (12:20 pm) but it will last **THREE HOURS** ending at 3:20 pm. The room is TBA. Please plan accordingly. Make-ups will only be given in genuine, unavoidable, and clearly documented instances. This means there must be a doctor's note, notice of court appearance, etc indicating that you were unable to attend the exam. You should contact me as soon as you know you will not be able to attend the exam.

3. CALENDAR

Below is the tentative calendar of assignments for the summer.

Week	Monday	Tuesday	Wednesday	Thursday
1	No Class HW 0	Ch 1	Ch 1	Ch 1 HW 1 and Quiz 1
2	Ch 2 HW 2	Ch 2 Quiz 2	Ch 2 Quiz 3	Ch 3 HW 3
3	Ch 3/Ch 4 HW 4	Ch 4 Quiz 4	Ch 4 and Review	Midterm HW 5
4	Ch 5 HW 6	Ch 5 Quiz 5	Ch 5 Quiz 6	Ch 5/Ch 6 HW 7
5	Ch 6 HW 8	Ch 6 Quiz 7	Ch 6 Quiz 8	Ch 6 HW 9
6	Ch 6 HW 10	No Class	Review	Final