

Math 15A: Linear Algebra

Alan Hou

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Class Hours: M/T/W/Th 1:50-4:00pm
Class Room: TBA

Course Description

Applied linear algebra, possibly will be including:
Matrices, determinants, linear equations, vector spaces, eigenvalues, quadratic forms, linear programming. Emphasis on techniques and applications.

Suggested Materials

- *Linear Algebra and Its Applications*, by David Lay, 5th edition. We will not follow the order of the textbook precisely, but it should be a useful reference.

Prerequisites/Corequisites

MATH 5a or permission of the instructor, placement by examination, or any mathematics course numbered 10 or above.

Course Objectives

Since this is a summer course, the format can be different from (hopefully more flexible than) the normal ones in Spring and Fall semester while the course contents will remain standard. If you are interested in taking this course, you are very welcome to drop in my office Goldsmith 106 or send me an email hou@brandeis.edu to ask questions and maybe discuss with me before the course started.

Course Structure

TBA (you are welcome to discuss with me!)

Class Structure

TBA (you are welcome to discuss with me!)

Assessments

TBA (you are welcome to discuss with me!)

Grading Policy

TBA (you are welcome to discuss with me!)

Schedule and weekly learning goals

The schedule is tentative and subject to change. The learning goals below should be viewed as the key concepts you should grasp after each week, and also as a study guide before each exam, and at the end of the semester.

Week 01, 06/03 - 06/07: ...

- TBA

Week 02, 06/10 - 06/14: ...

- TBA
- **No Class** on June 12th and June 13th

Week 03, 06/17 - 06/21: ...

- TBA
- **No Class** on June 19th

Week 04, 06/24 - 06/28: ...

- TBA

Week 05, 07/01 - 07/05: ...

- Final Week

Course Policies

Attendance Policy

Students are expected to attend every lecture and to participate actively. Questions are always welcome, both in and out of class. Please read the relevant material in the textbook before class. Should you miss a class, get the notes from your fellow students; I am also available to help review topics that you miss.

Academic Integrity and Honesty

You are expected to follow the University's policy on academic integrity, which is distributed annually as section 4 of the Rights and Responsibilities Handbook (see <http://www.brandeis.edu/studentaffairs/srcs/rr/index.html>). Instances of alleged dishonesty will be forwarded to the Department of Student Development and Conduct for possible referral to the Student Judicial System. Potential sanctions include failure in the course and suspension from the University. If you have any questions about how these policies apply to your conduct in this course, please ask.

Accommodations

Brandeis seeks to welcome and include all students. If you are a student who needs accommodations as outlined in an accommodations letter, please talk with me and present your letter of accommodation as soon as you can. I want to support you.

In order to provide test accommodations, I need the letter more than 48 hours in advance. I want to provide your accommodations, but cannot do so retroactively. If you have questions about documenting a disability or requesting accommodations, please contact Student Accessibility Support (SAS) at 781.736.3470 or access@brandeis.edu.

Many resources are available to help with the academic and non-academic factors that contribute to student success (finances, health, food supply, housing, mental health counseling, academic advising, physical and social activities, etc.). Please explore the links on the Support at Brandeis page <https://www.brandeis.edu/support/undergraduate-students/browse.html> to find out more about the resources that the University provides to help you and your classmates achieve success.