

# Math 022A: Linear Algebra

## 1. GENERAL INFORMATION

Lectures will be held Monday, Wednesday, and Friday from 3:10-4:00 in Kleiber Hall.

Instructor: Laura Starkston  
Email: [lstarkston@ucdavis.edu](mailto:lstarkston@ucdavis.edu)  
Office: MSB 2238  
Office hours: Mondays 4:10-5:00, Fridays 2:00-2:50

TA: Haotian Sun  
Email: [hatsun@ucdavis.edu](mailto:hatsun@ucdavis.edu)  
Office: MSB 3125  
Office hours: Tuesday, Thursday 10:00am-12:00; Wednesday 12:00-1:00pm

TA: Shouwei Hui  
Email: [huisw@math.ucdavis.edu](mailto:huisw@math.ucdavis.edu)  
Office: MSB 2117  
Office hours: Monday 9:00am-11:00am; Wednesday 4:00pm-6:00pm; Friday 9:00am-10:00am

## 2. PREREQUISITES

You **MUST** have passed MAT 021C (or an equivalent course) with a grade of C- or higher. No students whose highest grade in MAT 021C is a D or F will qualify to take this course. Experience with MATLAB is a necessary component of this course. Unless you have already *completed* ENG 6, you *must* enroll in MAT 022AL, the 1 credit lab supplement to MAT 022A. If you register with ENG 6 concurrently with MAT 022A, you are still required to enroll in MAT 022AL concurrently.

## 3. TEXTBOOK

The textbook for this course is *Introduction to Linear Algebra* (5th edition) by **Gilbert Strang**.

## 4. GRADES

The grades will be determined as follows:

25% Midterm 1  
25% Midterm 2  
40% Final  
10% Homework

If the final exam grade is higher than the lowest midterm grade, the lowest midterm grade will be replaced by the final exam grade.

## 5. EXAMS

Midterm 1: Friday, October 18, 3:10-4:00pm  
Midterm 2: Friday November 22, 3:10-4:00pm  
Final Exam: Thursday, December 12, 3:30-5:30pm

**There will be no make-up exams.**

If you require special accommodation in taking the exams, you must contact the SDC and send your documentation well in advance of the exam.

No notes, calculators, or other electronic devices will be permitted in the exams.

## 6. HOMEWORK

There will be three types of homework assigned for this class:

**Webwork:** Assignments will be posted weekly on WeBWorK, online at <http://webwork.math.ucdavis.edu>.

*Your webwork grades will contribute towards the homework section of your grade.*

- Your lowest two webwork grades will be dropped.
- **No late assignments will be accepted.**
- If you have not used WeBWorK before, instructions are available online at [http://webwork.math.ucdavis.edu/wiki/doku.php?id=getting\\_started\\_students](http://webwork.math.ucdavis.edu/wiki/doku.php?id=getting_started_students).
- Remember to ALWAYS use the “Preview My Answer” button before submitting!

**Textbook Problems:** Assignments will be posted to accompany each lecture. Students should work out the corresponding problems after each lecture. Solving these problems regularly is crucial for learning. These assignments will not be collected, however, you will be responsible for knowing how to solve these problems on exams.

**MATLAB Assignments:** There will be a few homework assignments in which you will do computations in MATLAB. You will submit your MATLAB .m file through Canvas. Your MATLAB assignments will contribute towards the homework section of your grade.

## 7. QUESTIONS

There are three ways to ask questions:

**Lectures:** If you do not understand something in class, ask a question! There is a good chance that 20 other students have the same question. Students who actively participate in class are significantly more likely to learn the material well and do better on exams.

**Office hours:** The TAs and the professor hold office hours each week. These are a chance for you to ask questions about linear algebra!

**Piazza:** There will be a Piazza site for the course. This is an opportunity for you to ask questions about linear algebra to the entire class. Students who are active in answering questions on Piazza will be eligible for 1 extra credit point at the end of the course.

Do NOT send questions about linear algebra via email to the professors or the TAs. Mathematics questions must be asked in office hours, lectures, or on Piazza.

Do NOT send general questions like “when is the midterm?” “how will grades be calculated?” etc. via email to the professors or the TAs. These questions can be asked on Piazza or be answered by reading the syllabus or course website.

## 8. ACADEMIC HONESTY

Cheating and other instances of academic misconduct will be taken very seriously. All students at UC Davis are expected to follow the Code of Academic Conduct. See <https://participate.ucdavis.edu/> for further information on participating in keeping UC Davis a fair and honest community and see <http://sja.ucdavis.edu/files/cac.pdf> for the Code of Academic Conduct. If academic misconduct is admitted or is determined by adjudication to have occurred, the instructor may assign the student a grade of F in the course per Regulation 550.

## 9. ACCOMMODATIONS

Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Student Disability Center (SDC). Faculty are authorized to provide only the accommodations requested by the SDC. If you have any questions, please contact the SDC at 530/752-3184 or [sdc@ucdavis.edu](mailto:sdc@ucdavis.edu).

## 10. SCHEDULE OF TOPICS

The course will follow the department syllabus closely, which can be found at [https://www.math.ucdavis.edu/courses/syllabus\\_detail?cm\\_id=58](https://www.math.ucdavis.edu/courses/syllabus_detail?cm_id=58).