### Instructor
**Prof. Daniele Venturi**
- Email: venturi@ucsc.edu
- Office Location: J. Baskin 1, Room 353B (third floor)
- Office hours: Mon 5-7 pm or by appointment

### Teaching Assistants
**Harleigh Marsh**
- Email: hcmarsh@ucsc.edu

**Yuanran Zhu**
- Email: yzhu22@ucsc.edu

**Note:** Office hours are subject to change (announced in class or on the course Website). You are welcome to schedule an appointment (by email) with the instructor or the teaching assistants outside regular office hours.

### Purpose of the Course
AMS 10 provides an introduction to linear algebra and its applications. In addition, students will learn to use computational software (MATLAB or OCTAVE) and the basics of numerical linear algebra.

### Course Content
Complex numbers, linear equations, vectors and matrices, vector spaces, determinants, eigenvalues and eigenvectors, quadratic forms.

### Main Lectures
MWF 2-3:10 PM, J. Baskin Auditorium 101

### Computer Session Hours
Wed 7-8:45 PM, Class Unit 1 (with Prof. Venturi)
Wed 5-6:45PM - Porter Acad 148 (with Mr. Marsh)

### Secondary Sessions
- Tue 4-5:45 PM, Soc. Sci. 2 Room 075 (with Mr. Marsh)
- Thu 10-11:45 AM, Soc. Sci. 1 Room 110 (with Mr. Zhu)

### Quizzes/Exams
There will be bi-weekly quizzes (in class), and a comprehensive final exam. The quiz/exam dates will be announced in class.

### Grading Policy
70% Bi-weekly in-class quizzes (40 minutes each), 30% comprehensive final exam. Final grades may be subject to adjustments based on non-mandatory research projects, or scientific colloquium with the instructor.

### Homework Assignments
Homework assignments will not be collected or graded (quiz and final exam problems will be very similar to homework problems).

### Textbook
D. Lay, “*Linear algebra and its applications*”. Although the 5th edition exists, we strongly recommend the 4th edition, as used copies are widely available, it is cheaper, and it is just as good.