

# Syllabus for MATH 117

## Advanced Linear Algebra

<b>Term:</b>	Summer 2018	<b>Instructor:</b>	Suzana Milea
<b>Time:</b>	MoWeFr 10:00AM-12:30PM	<b>Office:</b>	McHenry 4117
<b>Room:</b>	Thimann Lab 101	<b>Email:</b>	smilea@ucsc.edu

**Office Hours:** W 1:30 - 3:30PM in McHenry 4117.

**Discussion Section:** Th 10AM-11AM in Soc Sci 2 141.

**Teaching Assistant:** Jason Chew

**TA's Email:** jchew2@ucsc.edu

**TA's Office Hours:** Th 12AM - 2PM in McHenry 4112.

**Canvas:** I will be using the Canvas learning management system to post the syllabus and other course resources. You can log in at <https://canvas.ucsc.edu> using your CruzID and Gold password.

**Piazza:** We will be using the free, online question-and-answer platform Piazza for class discussion. The system is highly catered to getting you help fast and efficiently from classmates, the TA, and myself. I encourage you to ask questions when you're struggling to understand a concept (you can even do so anonymously). The signup link is <https://piazza.com/ucsc/summer2018/math117>.

**Text:** *Linear Algebra Done Right (Third edition)* by S. Axler.

The author of the book has videos which can be found at <http://linear.axler.net/LADRvideos.html>.

**Course Outline:** We will be covering Sections:

Tentative Lecture Schedule				
Monday	Tuesday	Wednesday	Thursday	Friday
June 25 1A,1B,1C	June 26	June 27 2A,2B,2C	June 28	June 29 3A,3B
July 2 3C,3D	July 3	July 4 NO CLASS	July 5	July 6 3F,5A
July 9 MIDTERM <small>(chapters. 1-3)</small>	July 10	July 11 5B,5C	July 12	July 13 6A,6B,6C
July 16 7A,7B	July 17	July 18 7C,7D	July 19	July 20 8A,8B
July 23 8C,8D	July 24	July 25 10A,10B	July 26	July 27 FINAL EXAM <small>(chapters. 5-10)</small>

<b>Grade Distribution:</b>	Classwork	10%
	Homework	20%
	Midterm	30%
	Final	40%

This course syllabus provides a general plan for the course; deviations may be necessary.

**Classwork:** During each lecture (except the days of the exams) I will assign two problems with the purpose of better understanding the material discussed at that moment. You'll be allowed to collaborate with a classmate. To get full credit for your classwork you'll need to solve 10 problems correctly.

**Homework:** There will be five written homework assignments due Fridays at the beginning of the lecture. You can see the problems assigned in Canvas → Assignments. Solutions will be posted in Canvas → Files → Homework Solutions.

**Collaboration on homework:** is allowed, although if you are working with another student please state that you have done so. Who you work with may change from problem to problem, so please note your collaborators separately for each problem. However, you must work on each problem on your own before discussing it with your collaborators. All homework assignments must be written up individually and only after making sure you have a very good understanding of what you write. Failure to declare collaboration with another student will result in a grade penalty (and it is remarkably simple to tell when students have copied each other). Also, if you have used a textbook or online notes to help you understand/solve a problem please cite a reference.

**Make-Up Policy:** Makeups on an exam will be given at the discretion of the instructor. A legitimate and verifiable excuse is required.

**Important Deadlines:** See the *2018 Summer Session Calendar* at <https://summer.ucsc.edu/fundamentals/academic-calendar.html>.

**Student Disabilities Policy:** UC Santa Cruz is committed to creating an academic environment that supports its diverse student body. If you are a student with a disability who requires accommodations to achieve equal access in this course, please submit your Accommodation Authorization Letter from the Disability Resource Center (DRC) to me privately during my office hours or by appointment, preferably within the first week of the Summer quarter. At this time, I would also like us to discuss ways we can ensure your full participation in the course. I encourage all students who may benefit from learning more about DRC services to contact DRC by phone at 831-459-2089 or by email at [drc@ucsc.edu](mailto:drc@ucsc.edu).