

# De Anza College Math 2B03 Winter '20

## Instructor Information

**Name:** Salvador Guerrero

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**Office Hours:** Monday – Friday 9:30 – 10:15am in E37

## Course Information

**Title:** Linear Algebra

**Location and Time:** E34, Monday – Friday 8:30 – 9:20am

**Website:** we will be using Canvas ([deanza.instructure.com](http://deanza.instructure.com))

### Materials:

Text: Lyryx A First Course Linear Algebra, by Ken Kuttler

Technology: Graphing calculator (optional, TI-84 recommended) and computer with which to access Canvas.

Other: Pencil, eraser, and spiral notebook or composition book.

Note: Exams and quizzes must be completed using pencil.

### Requisites:

Prerequisite: MATH 1D or MATH 1DH with a grade of C or better.

Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

**Hours:** Lec Hrs: 60.00

Out of Class Hrs: 120.00

Total Student Learning Hrs: 180.00

**Description:** Linear algebra and selected topics of mathematical analysis.

### Assignments:

- There are a number of benefits to reading the text before class – classroom discussion becomes more conversational, you see the material multiple times, and you have time to formulate questions. You are expected to read each section of the textbook before it is covered in class.
- Another important part of learning mathematics is to work through some exercises. **Homework** will be assigned each week.
- There will be three midterm **exams**.
- There will be a number of **quizzes** and **in class activities** to further develop your understanding of the course material.
- A two hour comprehensive **final exam** will be administered on Wednesday March 25, 2020 from 7:00 – 9:00 am. The final is mandatory and must be taken at the scheduled time. Any student not taking the final will receive a grade of F.

# De Anza College Math 2B03 Winter '20

## Grading:

- **Homework** will be graded for completion, and some problems for correctness.
- **Quizzes** and **Exams** will be graded mostly as correct or incorrect and feedback provided. Exams and quizzes may be revised and resubmitted for additional credit. Details in Canvas.
- **Final Exam** will be graded with much consideration to partial credit since there is no possibility to re-work any mistakes.
- **Course Grades** will be determined as follows:

<b>Assignment weight:</b>		<b>Grading Scale:</b>		
		If your overall grade is at least ____, then your letter grade is at least ____.		
In-class activities	5%	98%: A+	92%: A	90%: A-
Homework	10%	88%: B+	82%: B	80%: B-
Quizzes	15%	78%: C+	70%: C	60%: D
Midterm exams	45%	A student earning less than 60% will receive a grade of F.		
Final Exam	25%	Note: there is typically a curve applied before computing final grades.		

## (Tentative) Schedule:

Week	1	2	3	4	5	6	7	8	9	10	11	12
				Exam			Exam			Exam		

Note: the schedule is subject to change – any changes will be announced in class and noted in the course calendar.

## Policies and Resources

**Academic Integrity:** Cheating, plagiarism and other forms of academic dishonesty will not be tolerated. Students are expected to be honest and ethical at all times in their pursuit of academic goals. A Student caught cheating, plagiarizing, or otherwise violating the rules for an assignment will receive a grade of 0 on the assignment in question; repeat offenders will receive a grade of F in the course. In either case, a student may be referred to the Dean for academic discipline. No grade of 0 due to academic dishonesty will be dropped or replaced.

**Classroom Courtesy:** Your interactions with the instructor as well as your fellow classmates should be courteous and respectful at all times. Every student is entitled to learn in an environment free of distractions or disruptions (including phones, headphones, etc.). Students who are disrespectful or disruptive can, and will, be asked to leave. If a student does not leave after being asked, they will be dropped from the course and referred to the Dean. **Audio/Video recordings of lecture are prohibited.**

# De Anza College Math 2B03 Winter '20

**Attendance:** Attendance is required and you are responsible for all material covered in class. I expect you to arrive to class on time and stay until class is dismissed. If you miss a class, contact a fellow student to find out what was covered. Also:

- Students who remain enrolled in a class beyond the published withdrawal deadline, as stated in the class schedule, will receive an evaluative letter grade in this course.
- It is the student's responsibility to add, drop, or withdraw from classes before the deadlines stated in the college catalog. You should talk to me before withdrawing.
- Excessive absences may result in being dropped, at the discretion of the instructor.

**Tutoring/Additional Help:** Please consider the following (free) resources for additional help:

- In Person Tutoring: <https://www.deanza.edu/studentssuccess/mstrc>
- On-line Tutoring: <http://deanza.edu/studentssuccess/onlinetutoring>
- The internet: it is the future (2020), a time when information is literally at our fingertips.

**Accommodation of Disability:** Students that have any disability, either permanent or temporary, which might affect their ability to perform in this class should contact me immediately. For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) see the contacts below:

- Disability Support Services (DSS): <http://www.deanza.edu/dss>
- Educational Diagnostic Center (EDC): <http://www.deanza.edu/edc>
- HOPE De Anza: <http://www.deanza.edu/hope>

**English as a Second Language:** ESL students may use a translator and/or dictionary (print only, to be approved by instructor) during exams and quizzes. Please visit the college's Listening and Speaking Center (LSC) for additional resources <http://www.deanza.edu/studentssuccess/lsc/>

# De Anza College Math 2B03 Winter '20

## Student Learning Outcome(s):

- \*Construct and evaluate linear systems/models to solve application problems.
- \*Solve problems by deciding upon and applying appropriate algorithms/concepts from linear algebra.
- \*Apply theoretical principles of linear algebra to define properties of linear transformations, matrices and vector spaces.