

Math 2B: Linear Algebra  
Summer 2023

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**Instructor:** John Jimenez

**Class Modality:** Asynchronous (Fully online)

**Email:** [jimenezjohn@fhda.edu](mailto:jimenezjohn@fhda.edu)

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**Required Text and Recommended Materials:**

- Textbook: Our (free) textbook will be Calculus Vol 1 from Openstax: <https://myopenmaths3.s3.amazonaws.com/cfiles/100353/Kuttler-LinearAlgebra-AFirstCourse-2017A.pdf>. Note that this book is available free in the online and PDF format. If you prefer a physical copy, that would be paid out of pocket and is available directly from the website or you can use the PDF file to print at a local printing facility (staples, office dept, a local printing shop).
- Calculator: Although not necessary for most of this course, it can sometimes be helpful to have access to some type of graphing calculator. This can be a physical graphing calculator or a free online graphing tool such as <https://www.desmos.com/> or <https://www.wolframalpha.com/>.
- Access to <https://deanza.instructure.com/>. Canvas is where all the course information will be available. Information regarding grades, lectures, resources, etc.

**Goals for Students in the Course:**

- To build a solid foundation for future math courses.
- To build confidence in their academic abilities in the math class and beyond.
- Be able to collaborate and discuss mathematics with classmates.
- To gain intuition behind concepts in the course.

**Grading:**

Midterm Exams	Quizzes	Homework	Final
40 %	20%	20 %	20 %

Grading scale	
90-99.9% A	70-77.9% C
88-89.9 % B+	68-69.9 % D+
80-87.9% B	60-67.9% D
78-79.9% C+	≤ 59.9 F

**Exams 40 %:** Timed online midterm exams will be given throughout the quarter.

**Quizzes 20%:** There will be weekly online quizzes with due dates posted on Canvas.

**Homework 20 %:** Online homework will be assigned daily through Canvas.

**Final 20 %:** The final for this course will be a two-hour cumulative exam.

**Assignment submission recommendation:** All homework assignments will have due dates posted but I will still accept your homework assignment if it is not completed by the due date. If for some reason you cannot turn in an assignment, use a LatePass and turn it in as soon as possible without penalties. This is to avoid falling behind with the material which can be detrimental toward your experience in any STEM course. There is only a finite amount of LatePasses you can use so use them wisely!

**To protect students GPA, you may be dropped from the course if:**

- You have multiple missing assignments.
- You do not interact with Canvas regularly to keep up with the course.
- Failure to communicate why you miss a class meeting or miss an assignment deadline.

Note that if for any reason you feel like you may need to drop the course, it is your responsibility to do so.

**How to Succeed in this Course:**

- The Student Success Center tutors and workshops area a great place to start! Watch the [SSC Welcome Video](#) to learn more.

**Tutoring:**

For tutoring through The Student Success go to <http://deanza.edu/studentssuccess> and click to join a Zoom tutoring room during open hours.

**Workshops:** Attend a [Skills Workshop](#), a [content-specific math/science workshop](#), an [Accounting chapter review workshop](#), or a [Listening and Speaking workshop](#).

**Resources:** Join the [SSC Resources Canvas site](#) to see content and learning skills links.

**After-hours or weekend tutoring:** See the [Online Tutoring](#) page for information about NetTutor (via Canvas) or Smarthinking (via MyPortal).

**Disability Statement:** If you have a disability related need for academic accommodations or services in this course, you will need to provide me with a Test Accommodation Verification Form (TAV form) from Disability Support Services (DSS) or the Educational Diagnostic Center (EDC). Students are expected to give a two week notice if they are in need of accommodations. For those students with disabilities, you can obtain a TAV form from their DSS counselor (408 864-8753 DSS main number) or EDC advisor (408 864-8839 EDC main number). The application process can be found here: <https://www.deanza.edu/dsps/dss/applynow.html>

**Academic Integrity:** If it is suspected that academic dishonesty is taking place on an assignment, the college will be notified and will result in a failing grade on the assignment or a failing grade in the class. For further information on academic integrity please see [https://www.deanza.edu/policies/academic\\_integrity.html](https://www.deanza.edu/policies/academic_integrity.html)

For important Dates visit: <http://www.deanza.edu/calendar/>.

Course Description: This course examines the fundamentals of integral calculus. (5 units).





**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.

**Office Hours:**