

Math 2B, section 3Y

Linear Algebra

Fall 2022

Instructor: Rick Taylor (Roderic Taylor)

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Classes: Classes will be held in person in room MLC 270, 9:30 am – 10:20 am, Mondays-Thursday. On Fridays, pre-recorded lectures will be made available online which you can watch any time.

Text: Fifth edition of David Lay's "Linear Algebra," Pearson

Calculator: A TI-83 or TI-84 calculator is required for this class.

Midterm Exams:

There will be three midterm exams for this course. There will be no make-up midterms. Instead, your lowest midterm exam will automatically be dropped. Each midterm exam is weighted 10 points (unless of course it is dropped).

Final Exam:

The final exam will be given Tuesday, December 13, 9:15 am – 11:15 am in your usual classroom (MLC 270). Taking the final is required for passing the course. If due to unforeseen circumstances such as illness or family emergency you are unable to take the final, let me know as soon as possible; you'll need to take an incomplete and make it up. If at the end of the quarter you decide you do not wish to pass the class so that you may be able to retake the course, then do not attend the final. The final exam is weighted 20 points.

Quizzes, Attendance, other activities:

Quizzes, attendance, and other activities will be scored from 0-20. The weight given for these activities will be the same as the score. For example, if you score 15/20 from these activities, the weight will be 15. As a result, these activities are optional; they can only help your grade.

Honors Project: This is only relevant for students in the De Anza honors program who are taking the honors version of this class. The honors project is worth 10 points. For more information, see the De Anza college website.

Grade:

The final grade is determined by the weighted average of quizzes, midterms, and finals as described above.

- A 92% - 100%
- A- 90% - 91%
- B+ 86% - 89%
- B 83% - 85%
- B- 80% - 82%
- C+ 70% - 79%
- C 60% - 69%
- D 40% - 59%
- F 0% - 39%

Policy on dropping:

I am required to drop students who do not attend any of the first two weeks of classes. After that, if you decide you no longer wish to take this class it is your responsibility to go online and formally drop the class by the appropriate deadline. If you fail to do so, I will be unable to drop you at a later date.

Policy on Academic Integrity:

If a student is found to have cheated on an exam, they will receive a 0 for that exam. They will not be able to drop that score from their average as they normally might when computing the final grade

Academic Help:

Mathematics is a challenging subject which takes time and effort to master. Of course, students differ in their backgrounds, but in general you should expect to do a minimum of 10 hours of work per week reading the book, doing homework, and thinking about the material. This is in addition to the time you spend in class. If you find you are having difficulty with the material, it is important to address the situation immediately, as it's easy to fall behind. The tutorial center is available in person Tuesdays and Wednesdays and online Monday to Friday for brief questions, as well as one on one sessions with a designated tutor. In addition, I encourage all students to come to my office hours. Often, I'm able to help students talking with them individually in a way that's not possible in a large lecture class.

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:

In-Person	S12A, or weather permitting behind S3 building	M,T,W,TH
12:30 PM	01:20 PM	