

MATH 2B

CRN 38483

SECTION 07

Instructor: Dr Zack Judson

Email: judsonzack@deanza.edu

Modality: Face to Face

Time: MW 11:00-1:15

Room: G6

Drop-in Hours: MW 1:30-2:20 E36B

Required Materials

1. "Elementary Linear Algebra Application Version, 12th Edition" by Howard Anton
2. Calculator: TI83/84 graphing calculator or similar (something capable of handling matrices)

Student Learning Objectives

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

Accommodations

Those of you who need additional accommodations, due to disability, campus-related activities, or some other reason, please meet with me during the first two weeks of class to discuss your options.

Grading Scale

Due to the complexity of the material the grading scale we will use is as follows

A :90-100 B+: 80-84 C+: 67-69 D : 50-59 F : 0-49
A-: 85-89 B : 75-79 C : 60-66
B-: 70-74

Final Exam

A two-hour comprehensive final exam will be given on Monday, March 25, from 11:30am to 1:30pm. The final will represent 40% to 50% of your grade. (see quizzes below)

Midterms

Three exams will be given with no make-ups. Each exam will be worth 10% of your grade. The bulk of your grade on the exam will be based on the work you show to justify your answers.

If an exam is missed under extreme circumstances and for a very valid reason, some alternative will be considered. If such extreme circumstances occur it is the students responsibility to inform me immediately and provide documentation of the circumstances.

Quizzes

Quizzes will represent up to 10% of your grade. However, all points that are missed on quizzes will be replaced by your final. For example, if you average a 60% across all quizzes and then score a 75% on the final, you will earn back 75% of the points you had missed on quizzes so that your final quiz score will be a 90%. In this way quizzes are designed to be a place where you can make mistakes and learn from them.

As with your midterms, you are expected to do your own work on quizzes. However, unlike midterms, quizzes will be taken outside of class. On the day a quiz is assigned, you can click on the quiz at any time. The quizzes are designed to be completed in 20-24 minutes.

The best way to create a pdf of your work is to do the work by hand. Then take a picture of your work. You can convert your picture to a pdf using any number of free apps.

Due to the fact that all missed points are covered by the final, quizzes will only be graded if they are submitted as a single pdf through the CANVAS quiz.

Labs

A half dozen times throughout the quarter we will have lab assignments. The intention behind lab assignments is to encourage students to think more deeply about the material. For this reason, the labs often cover topics you haven't seen in the course. By the time each lab is assigned you will have learned all of the skills you need in order to complete the assignment.

These labs will be worked on in groups of three or four. You will need to work on them outside of class to complete them. Although every student must turn in their own lab assignment, you will be graded as a group on the assignment. Labs will be due before midnight on appropriate Fridays. No late lab assignments will be accepted. Each Lab will be graded out of 100 points.

Approximately a week after a lab is assigned, we will have a lab check-in day. A rough draft of the lab must be submitted before midnight the night immediately preceding the Lab Check-In. The rough draft will be worth 20 points and will be graded solely based upon attempting all parts of the exam and asking meaningful questions about those parts you do not know how to do up to that point.

Labs will represent 20% of your grade. Your lowest aggregate lab score will be dropped.

Homework

As with all courses you are expected to put in at least 2 hours of work per unit per week outside of class. Some of this time will be spent on your labs and quizzes and preparing for exams. Other time will be spent learning and practicing the course material. Homework will not be a part of your grade in this course. Some of you will read that sentence and have the mistaken impression that there will be no homework. The only way we can learn mathematics is by practicing mathematics. It is best to think of the homework assignments I assign as minimal problem sets. Students are encouraged to go beyond them.

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:

M,W	01:30 PM	02:20 PM	In-Person	E36B
TH	11:00 AM	01:00 PM	Zoom	