

11.60Z, Winter 2023

About the Instructor

The instructor, Salvador Guerrero, may be reached by e-mail at guerrerosalvador@fhda.edu

My intention is for our space to be a supportive, engaging, and accepting environment in which you may comfortably explore and expand your mathematical abilities. Please do not hesitate to reach out if ever you have any questions, we will work together to help resolve them.

About the Course

The course is Math 11 – Finite Mathematics, section 60Z with CRN 37107 and is fully asynchronous, i.e. there are no scheduled meetings.

Materials

For this course you will need to be able to access the course content in Canvas. The textbook we will be using, Applied Finite Mathematics revised by Roberta Bloom and written by Rupinder Sekhon, is available for free online and linked in Canvas. It is preferable and advised that you have a separate notebook for this course.

Requisites

This course has a prerequisite of Intermediate Algebra (MATH 109, MATH 114, or MATH 130) or equivalent. It is advised that you also have satisfied EWRT 211 and READ 211, or ESL 272 and 273.

Time Commitment

As with most college courses you should expect to dedicate about 3 hours per unit per week for this course; this is a 5-unit course. This includes reading, homework, discussion, watching video lectures, etc. It may be that you don't need all this time, but it is best to plan for it just in case.

Description

The course will cover Application of linear equations, sets, matrices, linear programming, mathematics of finance and probability to real-life problems. Emphasis on the understanding of the modeling process, and how mathematics is used in real-world applications.

Assignments

Our mathematical exploration will involve reading, discussion, and practice. Since we will cover quite a few topics, it is important that you set an appropriate study schedule so that you do not fall behind. In order to help you keep pace we will have bi-weekly exams, to be completed during the weekend at your convenience. You are expected to read the text before joining the discussion, and hopefully before watching the videos. After you read, I will ask that you complete some exercises from the textbook and discuss in small groups. It is important to communicate and collaborate in this day and age, so I expect that you will work with a group of classmates and in pairs to complete two projects. Since this class is asynchronous, we will have a take home final exam.

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Grading

Please see Canvas for full details but I do hope that you find the following grading criteria helpful in creating a stress-free learning experience. Letter grades A; B; C correspond, respectively, to criteria listed as a; b; c

- 90; 80; 70 % on exams, after correcting as many times as necessary (details on first day and in Canvas).
- 90; 80; 70 % on participation and homework.
- 4.5; 3.75; 3 on projects.
- Final Exam Score of at least the lower of average +0.5; -0.25; -1 standard deviations or 88; 77; 66 %.

Note: + and - grades will be assigned as appropriate. If at any time you are concerned about the letter grade, please do not hesitate to reach out. It is best if you make sure to bring it up early, but I will always help guide you to your best resolution.

Policies and Resources

Tutoring/Additional Help

Please know that our college provides several resources to help in your learning objectives including tutoring at the SSC (please see <http://deanza.edu/studentsuccess/>), tutoring via NetTutor (see Canvas), and of course a library (<http://www.deanza.edu/library/>).

Also keep in mind that it is 2020, well into the future now, and the internet is a powerful tool literally at our fingertips. In Canvas you will find various links to freely available video series, sample problems, and even calculators.

Attendance

This course is asynchronous so there are no required meetings. However, I encourage and welcome you to stop by for the scheduled office hours or request a time that works better for you.

Accommodation of Disability

If you have any disability, permanent or temporary, that might affect your ability to fully participate and perform your best please contact the Disability Support Services office (<http://www.deanza.edu/dsps/>) so that you may receive the support and accommodations you might find helpful.

Academic Integrity

Please be honest, both to yourself and to me, about your learning and understanding at all times. For the purposes of this class, we will define academic dishonesty to be submitting work that is 1. not your own (i.e. copied or plagiarized), or 2. using resources that are disallowed on an assignment, or 3. unfairly taking credit for work you did not do (e.g. leaving the bulk of a project to your groupmate). Academic dishonesty will result in a penalty on that assignment (1 and 3 will receive score of 0; 2 will be a score of 0 on the exercise or problem in question), might not be dropped or replaced (exams, and may be referred to student judicial affairs (only 1).

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Student Learning Outcome(s):

*Identify, evaluate, and utilize appropriate linear and probability optimization models and communicate results.

*Compare, evaluate, judge, make informed decisions, and communicate results about various financial opportunities by applying the mathematical concepts and principles of the time value of money.

Office Hours:

W	10:30 AM	11:30 AM	In-Person	tutoring center
F	02:00 PM	03:00 PM	Zoom	