

De Anza College
Math 11 – Finite Mathematics (CRN# 48741)

Instructor: Alex Cheng **Email:** chengalex@fhda.edu

Office Hours: Monday, Wednesday & Thursday 3:30 PM - 4 PM and 6:15 PM - 6:45 PM in MLC260

Class meets in person every **Monday, Wednesday & Thursday** from **4PM-6:15 PM** in **MLC260**

Course Description:

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.

Student Learning Outcome(s)

1. Identify, evaluate, and utilize appropriate linear, probability, and optimization models and communicate results.
2. 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.

Textbook & Required Materials:

- R. Bloom and R. Sekhon, *Applied Finite Mathematics*, 3rd Edition. This is an open source textbook which is available online:
<http://deanza.edu/faculty/bloomroberta/documents/AppliedFiniteMath-3ed-Current.pdf>
- You can use an online graphing calculator via website as <https://www.desmos.com>.
- Calculator – TI-84+ is preferred, but TI-83/TI-83+ will also be supported for this class.

Withdrawal/Drop Policy: It is the ultimate responsibility of the student to drop the class. Do not rely on the instructor to drop.

Attendance: Students are expected to attend all class meetings, arrive on time, take note, and stay for the entire class. The instructor reserves the right to drop/withdraw students who are absent more than five lectures during the quarter. However, a student who discontinues coming to class and does not drop the course will get an F. It is the student's responsibility to drop the course.

Smartphone Use: All smartphones must be on silent mode and put away during lecture. We do not learn how to text or search the Web in this class, so there is no reason to have smartphones out during class unless the instructor allows so.

Grade Breakdown: A:100-90% B:89.99-80% C+:79.99-70% D:69.99-60% F:<59.99%

Quizzes (5)	100 points
Exams (3)	300 Points

Final	100 points
Total	500 points

Homework: The purpose of homework is to help you learn the material in the course. You learn the most and do your best if you do the homework problems. The homework will NOT be collected. It is for you to do on your own for practice. Again, do not turn in the homework, it is for your own practice.

Quizzes: Quizzes will focus on the materials covered during that week. NO MAKE-UP QUIZZES are given.

Exams: There will be 3 exams which will all be taken in person. You may use a 8.5 X 11 inch sheet of handwritten notes to use during exams. No make-ups will be allowed. Extensions will not be given on exams. In the case of a documented emergency, I will replace a missing exam score with the corresponding portion of your final grade. See the course calendar for tentative exam dates.

Final: The final exam will be comprehensive and will be given in person. See Tentative schedule.

Tutoring Services: The De Anza campus has a free tutorial center for math students where students can get "drop in" help or make appointments with a tutor. Also, there are specific MPS tutors available for free. Check Canvas for links to access these tutors through Zoom meetings. Additionally, I am very glad to help you in office hours. Please use your resources.

Academic Integrity: All students are expected to exercise high levels of academic integrity throughout the quarter. You are encouraged to work together but you are expected to write up your answers independently. Any instances of cheating or plagiarism will result in disciplinary action, including getting a '0' on the assignment and report to the PSME dean, which may lead to dismissal from the class or the college

Student Honesty Policy: "Students are expected to exercise academic honesty and integrity. Violations such as cheating and plagiarism will result in disciplinary action which may include recommendation for dismissal."

Disabled Services: Students who have been found to be eligible for accommodations by Disability Support Services (DSS), please follow up to ensure that your accommodations have been authorized for the current quarter. If you are not registered with DSS and need accommodations, please go to <http://www.deanza.edu/dss>.

Recipe for Success:

1. If you ever have any questions, Email me! You are welcome to send email to me whenever you need help!

2. Visit the Online Tutoring Center.
3. Form a study group.
4. Attend all lectures, participate in every discussion, and complete every homework assignment.
5. Read the sections to be discussed in class prior to the lecture

Spring 2024 Tentative Schedule

Week	Monday	Tuesday	Wednesday	Thursday
1	April 8 1.1-1.3	9	10 1.4-1.6	11 Review week#1
2	15 Quiz#1 2.1-2.2	16	17 2-3-2.4	18 Review week#2
3	22 Quiz#2 3.1-3.3	23	24 4.1-4.2	25
4	29 4.3-4.4	30	May 1 Quiz#3 5.1-5.3	2 Review week#4
5	6 5.4-5.6	7	8 6.1-6.3 Exam #1 (Ch.1-4)	9 Review week#5
6	13 6.4-6.7	14	15 Quiz#4 7.1-7.3	16
7	20 7.5-7.8	21	22 8.1-8.3 Exam #2 (Ch.5-6)	23 Review week#7
8	27 Holiday: NO CLASS	28	29 8.4-8.6	30 Review week#8
9	June 3 9.1-9.3	4	5 Quiz#5 9.3-9.5	6
10	10 10.1-10.3	11	12 10.3-10.5 Exam #3 (Ch.7-9)	13 11.1-11.2

11	17 Quiz#6 11.3-11.4	18	19 Holiday: NO CLASS	20 Review for FINAL EXAM
Final	24 FINAL EXAM	25	26	27

Homework Schedule

Wk 1	1.1 pg.9 - 2, 4, 8, 9, 11, 12, 13, 14, 15 1.2 pg.15 - 4, 7, 8, 9, 10, 11, 13, 16, 17, 19, 20 1.3 pg.21 - 2, 4, 7, 10, 12, 14, 17, 18, 20, 22, 25 1.4 pg.27 - 1, 4, 7, 11, 12, 15, 18, 21 1.5 pg.35 - 4, 5, 7, 8, 9, 11, 13
Wk 2	2.1 pg.48 - 3, 4, 5, 6, 9, 13, 16, 17, 18, 20 2.2 pg.56 - 1, 3, 5 2.3 pg.62 - 1,3,9 2.4 pg.69 - 1, 2, 3, 5, 7, 8
Wk 3	3.1 pg.97 - 1, 3, 4, 6 3.2 pg.105 - 2, 3, 4
Wk 4	4.1 pg.109 - no homework 4.2 pg.121 - 1, 3, 4 4.3 pg.127 - 1, 3, 4
Wk 5	5.1 pg.140 - 2, 7, 9, 12, 13, 14, 17, 18, 23, 24, 26, 28 5.2 pg.146 - 1, 3, 5, 8, 10, 12 5.3 pg.155 - 3, 7, 11, 12, 17-20, 22, 25, 28, 29, 33, 34, 37 5.4 pg.160 - 1-5 and 6-11 5.5 pg.172 - 1, 4, 6, 8, 11, 12, 13c, 13d
Wk 6	6.1 pg.181 - 3, 5, 6, 10, 15 6.2 pg.192 - 5, 6, 7, 9, 12, 13, 16 6.3 pg.199 - 3, 4, 8, 9, 11 6.4 pg.206 - 2, 3, 6, 8, 10 6.5 pg.215 - 1-5, 8-10, 13, 16, 17 6.6 pg.223 - 1-11, 13, 16, 20
Wk 7	7.1 pg.233 - 2, 3, 4, 7, 8, 11, 12, 14-17, 19 7.2 pg.242 - 2, 4, 6, 8, 9, 12, 15, 16, 18 7.3 pg.249 - 2, 5, 7, 8, 10-12, 14, 16, 22 7.4 pg.256 - 1, 4, 6, 8, 10, 11, 13, 15, 16 7.5 pg.262 - 1, 4, 5, 7, 9, 11, 13, 15, 17 7.6 pg.268 - 2, 6, 9-12, 17, 18, 20, 23, 25, 27 7.7 pg.273 - 3-7, 9, 11, 12
Wk 8	8.1 pg.282 - 2, 3, 4, 6, 8, 10, 13, 15, 17-20, 21, 23, 24, 26, 28, 33 8.2 pg.290 - 1-6, 8, 10, 11, 13, 15, 17, 19, 20, 21, 23, 24, 26

	8.3 pg.299 - 1-4, 9-18, 29-34 8.4 pg.307 - 3, 4, 5-9, 11, 13, 15, 16, 21-26 8.5 pg.315 - 1-4, 6, 10, 12, 13, 15, 18, 20
Wk 9	9.1 pg.325 - 1, 2, 5, 6, 8, 9, 10, 11, 16 9.2 pg.332 - 1, 2, 3, 6, 7, 8, 9 9.3 pg.337 - 1, 3, 5, 8, 10, 11, 12, 14 9.4 pg.342 - 1, 2, 3, 5, 7, 10, 11
Wk 10	10.1 pg.354 - 1, 2, 3, 4, 5 10.2 pg.358 - 1, 2, 5 10.3 pg.367 - 1, 2, 3, 5, 6 10.4 pg.380 - 1, 2, 3, 4
Wk 11	11.1 pg.388 - 1, 2, 3, 4 11.2 pg.394 - 1, 2, 3, 4 11.3 pg.398 - 1, 4, 6, 8

Important Dates and Deadlines: <http://www.deanza.edu/calendar/dates-and-deadlines.html>

De Anza Final exams schedule: <https://www.deanza.edu/calendar/final-exams.html>

***This syllabus is subject to change at the instructor's discretion. Changes will be announced in class and on Canvas.**

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Office Hours:

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In-Person	MLC260	M,W,TH	6:15 PM	6:45 PM