

Math 11**De Anza College, Cupertino.****Quarter- Winter 2021**

Course: Math – D011.25Z Finite Mathematics CRN # 01274
 Time: MW, 4:00 p.m. to 6:15 p.m. Room – Online

Prerequisite: Math 114, Intermediate Algebra with C, or better grade.

Texts and (1) Applied Finite Mathematics, by Rupinder Sekhon, Roberta Bloom. Third Edition.
 Below is the link for the book, FREE download.

<http://deanza.edu/faculty/bloomroberta/documents/AppliedFiniteMath-3ed-Current.pdf>

Equipment: (2) Graphing Calculator. TI-83 plus/ TI 84 plus Calculator.

Instructor: **H. K. SHAH.** Email: shahhemendra@fhda.edu

Office hours: Mondays and Wednesdays, 6:20 to 6:45 p.m. Online Zoom.

Attendance: Students are expected to attend all class meetings without tardy. Student with three recorded absences **may** be dropped from the course. **If student decides to drop the course, it is his/her responsibility to drop the course. Disappearing from the class does not qualify for getting ‘W’ for the course but will get ‘F’ grade.** 20 points are assigned for full attendance.

Course Outline: I shall cover ten chapters of the book. It covers understanding and ability to solve problems dealing with linear models; linear programming; Exponential and Logarithmic Functions, mathematics of finance, probability theory; and Markov process. **This is somewhat tricky, intensive, and fast pacing course, requiring lot of practice to have clear understanding of the concepts.**

Homework: A sheet of homework problem assignment is attached. Homework of all the sections of each completed chapter will be collected together on the date shown on calendar schedule. Late homework will not be accepted for grading purpose.

Examinations: There will be three midterm tests each of one hour, and three quizzes each of 25 to 30 minutes. There will be no make-ups for missed tests, quizzes, or final examination. **If only one test is missed due to unavoidable circumstance, and the instructor is notified in advance/quickly;** the final exam score will be used to replace missed test. For students appearing for all exams, lowest test score will be replaced by % of final exam score, **if passed in final exam (scored at least 85/130).**

A comprehensive final examination of two hours will be given on Wednesday, March 24, 2021 during 4:00 to 6:15 p.m. in our classroom (zoom session). Student remaining absent in the final examination will get F for the course. All students are required to save corrected returned papers of quizzes and midterm tests. I may need it in certain situation.

Evening Office Coordinator: Administrative office Phone: 864-8333

Disruptive behavior: De Anza College will enforce all policies and procedures set forth in the *Standards of Students Conduct* (refer catalogue). Any student disrupting a class may be asked to leave the class. **Further disciplinary action by administration will follow.**

Academic Integrity: It is assumed that all students will pursue their studies with integrity and honesty; however, all students should know that incidents of academic dishonesty like cheating and plagiarism are taken very seriously. **Students involved in cheating will be dropped and get F for the course. Further disciplinary action by administration will follow.**

Grades:

Grade scale	Points range	Percentage range		Examination	points
A+ 4.0	476 to 500	95 + to 100 %		Three Tests	3x75 = 225
A 4.0	456 to 475	91 + to 95 %		Three Quizzes	3x25 = 75
A_ 3.7	436 to 455	87+ to 91 %		Homework	50
B+ 3.3	416 to 435	83+ to 87 %		Class attendance	20
B 3.0	396 to 415	79+ to 83 %		Final examination	<u>130</u>
B_ 2.7	376 to 395	75+ 79 %		Total points	500
C+ 2.3	351 to 375	70+ 75 %			
C 2.0	326 to 350	65+ to 70 %			
D+ 1.3	306 to 325	61+ to 65 %			
D 1.0	296 to 305	59+ to 61 %			
D_ 0.7	276 to 295	55+ 59 %			
F 0.0	0 to 275	0 to 55 %			

Math 11

De Anza College, Cupertino.

Quarter- Winter 2021

Course: MathD011.25Z, Finite Mathematics.

Call # 01274-01

Units: 5

Time- MW, 4:00 to 6:15 p.m.

Room- Online Zoom session

Text: Applied Finite Mathematics, by Rupinder Sekhon, Roberta Bloom. Third Edition. Free download link.

<http://deanza.edu/faculty/bloomroberta/documents/AppliedFiniteMath-3ed-Current.pdf>

Instructor: H. K. Shah

Week # /Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 January	04 1.1 to 1.5	5	6 2.1,2.2	7	8	9
2	11 2.4,2.5 HW-1,	12	13 3.1,3.2	14	15	16 Last day to add.
3	18 Last day for refund and no grade withdrawal. Martin Luther King. Holiday	19	20 HW-2. Quiz 1 4.1, 4.2	21	22	23
4	25 4.2,4.3	26	27 HW-3,4, Review Test -1	28	29 Last day to request pass/no pass	30
5	Feb 01 6.1 to 6.3,	2	3 6.4 to 6.6	4	5	6
6	8 7.1, 7.2 HW-6, Quiz 2	9	10 7.3 to 7.5	11	12 HW-5	13
7	15 President's Day. Holiday.	16	17 7.6, 7.7	18	19	20
8	22 HW-7, Review Test-2	23	24 5.1 to 5.3	25	26 Last day to drop with 'W'	27
9	March 01 5.4,5.5	2	3 8.1 to 8.3	4	5	6
10	8 8.4, 8.5 HW-5	9	10 Quiz-3 HW-8 9.1,9.2,9.3	11	12	13
11	15 10.1 to 10.4	16	17 HW- 9, 10 Review.Test-3	18	19	20
12	22 Blank day or Final Review	23	24 Final Examination 4:00 to 6:15 p.m.	25	26	27

All exams will be to show your work type exams. No exam is multiple choice exam.

Quiz 1: Chapters 1, 2

Test 1: Chapters 1 to 4

Quiz 2: Chapter 6

Test 2: Chapters 6,7.

Quiz 3: Chapters 5,8.

Test 3: Chapters 5, 8 to 10.

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.