

Math 11**De Anza College, Cupertino.****Quarter- Fall 2016**

Course: Math – D011.61 Finite Mathematics CRN # 21742
 Time: MW, 6:30 p.m. to 8:45 p.m. Room – MLC 112

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

Texts and (1) Applied Finite Mathematics, by Rupinder Sekhon, Roberta Bloom. Third Edition.

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

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

Office hours: Mondays and Wednesdays, 8:45 to 9:10 p.m., Room E 37

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 doesn't qualify for getting 'W' for the course, but will get "F" grade.** 15 points are assigned for full attendance.

Students Learning Outcomes (SLOs): Outcome 1: Identity, evaluate, and utilize appropriate linear and probability optimization models, and communicate results. Outcome 2: Compare, evaluate, judge, make informed decisions, communicate results about various financial opportunities by applying mathematical concepts and principles of the time value of money.

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 15 to 20 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 scored better in the final exam compared to all tests. A comprehensive final examination of two hours will be given on Wednesday, December 13, 2016 during 6:15 to 8:15 p.m. in our classroom. 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:

<u>Grade Scale</u>	<u>Points range</u>	<u>Percentage range</u>	<u>Examinations</u>	<u>Points</u>
A+ 4.0	476 to 500	95+ to 100 %	Three Tests	3x70 = 210
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 %	attendance	15
B 3.0	396 to 415	79+ to 83 %	Final Exam.	<u>150</u>
B- 2.7	376 to 395	75+ to 79 %	Total points	500
C+ 2.3	351 to 375	70+ to 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+ to 59 %		
F 0.0	0 to 275	0 to 55 %		

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Quarter- Fall 2016

Course: MathD011.61, Finite Mathematics.

Call # 21742

Units: 5

Time- MW, 6:30 to 8:45 p.m.

Room- MLC 112

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

Instructor: H. K. Shah

Week # /Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 September	26 1.1 to 1.5	27	28 2.1,2.2	29	30	Oct. 1
2 October	3 2.4,2.5 HW-1,	4	5 3.1,3.2	6	7	8 Last day to add/ to drop for refund and no grade (Oct. 9)
3	10 HW-2,3. Quiz 1 4.1, 4.2	11	12 4.2,4.3	13	14	15
4	17 HW-3,4, Review Test -1	18	19 6.1 to 6.3	20	21 Last day to request pass/no pass	22
5	24 6.4 to 6.6	25	26 HW-6, Quiz 2 7.1, 7.2	27	28	29
6 November	31 7.3 to 7.5	Nov. 01	2 7.6, 7.7	3	4	5
7	7 HW-7, Review Test-2	8	9 8.1 to 8.3	10	11	12
8	14 8.4, 8.5	15	16 9.1,9.2,9.3	17	18 Last day to drop with 'W'	19
9	21 HW-8,9, Quiz-3 10.1, 10.2	22	23 10.3,10.4	24 Thanksgiving	25	26
10 December	28 HW- 10 5.1 to 5.3	29	30 5.4,5.5	Dec. 01	2	3
11	5 HW-5 Review.Test-3	6	7 Final Review	8	9	10
12	12 Blank day, no meeting.	13	14 Final Examination 6:15 to 8:15 p.m.	15	16	17

All exams will be 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 8,9

Test 3: Chapters 5, 8 to 10.