

Course: Math 11-05
Instructor: Bijan Sadeghi
10:00-12:15, MTWTh, S54

Academic Term: Summer 2015
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Prerequisite: Qualifying score on the Math Placement Test within the past calendar year; or Mathematics 114 or equivalent with a grade of C or better. Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.

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 Outcomes

Upon completion of this course, students will be able to:

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

Outcome 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.

Course Notes (winter):

MATH-011.-23: TI-83 Plus/TI-84 Plus calculator recommended.

Textbook: Applied Finite Mathematics, by Rupinder S. Sekhon, 2nd edition.

Exams. See the calendar for dates. There will be three midterm exams. Exams are not made up. The final exam is required and it is comprehensive. Any student not taking the final exam receives an **F** for the course. For the final exam, bring a small scantron.

Grading:	Quizzes and Homework	100 points	A: 90- 100%
	3 midterms	300 points	B: 80- 89%
			C: 70-79%
	Final Exam	<u>100 points</u>	D: 60 – 69%
	Total	500	F: 0 – 59%

June	1.1,1.2,1.3	29	1.4,1.5,2.1	30	2.2,2.3	1	2.4,2.5	2
July	3.1,3.2	6	4.1,4.2	7	Review; 5.2	8	Exam 1	9
July.							Chapters 1, 2, 3	
July	5.3, 5.4	13	5.5, 5.6	14	6.1,6.2	15	6.3,6.4	16
July	6.5, 6.6, 6.7	20	Review Exam 2	21	7.1,7.2	22	7.3, 7.4	23
July	7.5, 8.1	27	Chapters 4,5,6					
July			8.2,8.3,8.4	28	Exam 3	29	9.1,9.2,9.3	30
July					Chapters 7, 8			
Aug.	9.1,9.2,9.3	3	10.1,10.2,10.3	4	Review 5		Final	6

