

SYLLABUS

Instructor: Dr. Kejian Shi
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Prerequisites: Math 114 (with a grade of C or better), or equivalent
Textbook: *APPLIED FINITE MATHEMATICS*, 3rd Ed, by Sekhon and Bloom:
<https://www.deanza.edu/faculty/bloomroberta/math11/index.html>

Materials: Graphing calculator recommended

Attendance: This class is an **online class**. My daily lecture videos will be posted on the Canvas. Students are expected to watch and study the videos on every school day. Different people can watch at different times during the day. The videos can be watched multiple times. Questions will be answered through emails.

Homework: **Six homework sets** will be collected, each on **the test (Quiz and Exam) days** (10 points for each set). No late hws will be accepted. One lowest hw score will be replaced by 10. Hw is the key to success in this class. Plan to devote a minimum of **TWO hours** to hw for each class hour.

Quizzes: **Three Quizzes** (33, 33, and 34 points) will be given **on canvas**. No makeup quizzes. One lowest quiz score will be replaced by the average of the two highest quiz scores. Quiz problems are similar to homework problems and lecture examples.

Midterms: **Two one-class-hour midterm examinations** (100 points each) will be given **on canvas**. No makeup midterms. One lowest midterm score will be replaced by the percentage of your final exam score, if the percentage is higher.

Final Exam: **One two-hour comprehensive examination** will be given **on canvas**, on **Thursday, 8/6/2025**. Anyone missing the final will receive an F grade for the course.

Test time: All the tests will be given in a 24-hour time period with specified time limits: 40 minutes for a quiz, 60 minutes for a midterm exam, and 120 minutes for the final exam.

Integrity: Any type of cheating is not tolerated. Corresponding school rules will be followed.

Grading:	<u>Distribution</u>		<u>Scale</u>		
			Grade	Points	Percentage
Homework	60		A+	529-560	95%-100%
			A	501-528	90%-94%
Quizzes	100		A-	490-500	88%-89%
			B+	473-489	85%-87%
			B	445-472	80%-84%
Midterms	200		B-	434-444	78%-79%
			C+	417-433	75%-77%
			C	361-416	65%-74%
Final Exam	200		D+	333-360	60%-64%
			D	322-332	58%-59%
			D-	305-321	55%-57%
			F	0-304	0%-54%
	Total	560			

TENTATIVE SCHEDULE

	MON	TUE	WED	THU	FRI	SAT	SUN
June / July	29 1.1--1.5	30 2.1--2.4	1 3.1, 3.2	2 4.2, 4.3 Quiz #1	3	4	5 Last Day to Add/Drop
July	6 Holiday (No Class)	7 Solution 6.1--6.4	8 6.5, 6.6 Review	9 TEST #1	10	11	12
July	13 Solution 7.1, 7.2	14 7.3--7.5	15 7.6, 7.7	16 8.1 Quiz #2	17	18	19
July	20 Solution 8.2, 8.3	21 8.4, 8.5	22 9.1 Review	23 TEST #2	24	25	26
July / August	27 Solution 9.2, 9.3	28 9.4, 10.1	29 10.3, 10.4	30 10.4 Quiz #3	31	1	2
August	3 Solution 11.1	4 11.2, 11.3	5 Review	6 FINAL EXAM	7	8	9

HOMEWORK ASSIGNMENTS

At the end of every section in this textbook, there are around 25 exercise problems. You can find the solutions of most of the odd number problems in

<https://www.deanza.edu/faculty/bloomroberta/math11/index.html>

So, your **homework problems are all the even number problems at the end of each section** that we will cover in this quarter. Note if you would have difficulty to do a problem, then one way to get a better understanding of the problem is to look at the solutions of the odd number problem before or after the one you are doing. Most of the time they are the same type of problems.

Homework set #1: Sections 1.1—1.5, 2.1—2.4, and 3.1

Homework set #2: Sections 3.2, 4.1—4.3, 6.1—6.2

Homework set #3: Sections 6.3—6.6, 7.1—7.4

Homework set #4: Sections 7.5—7.7, 8.1—8.4

Homework set #5: Sections 8.5, 9.1—9.4, 10.1, 10.3

Homework set #6: Sections 10.4, 11.1—11.3

Student Learning Outcome(s):

- Identify, evaluate, and utilize appropriate linear, probability, and 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: