Math 11-05Y,   **MTWTh: 10:30 a. m. --11:20 a.m. Room: E31; F: Online**   **Spring, 2025**

SYLLABUS

Instructor:	Dr. Kejian Shi
e-mail:	shikejian@fhda.edu
Office:	S-16A
Office Hour:	Monday: 11:30am --12:30 pm. (room S16-A) or by appointment

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 **in-person** and **online** combination class. Students are expected to be in class Monday through Thursday. Attendance will be taken daily. A total of 40 points will be given to attendance credit. On Friday, students are expected to watch and study the lecture videos, which I have posted on the Canvas. The videos can be watched multiple times. Questions will be answered in the classroom, or during office hours, or 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 **in classroom**. 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 **in classroom**. 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 **in classroom** on **Thursday, 6/26/2025**, from **9:15am–11:15am.** Anyone missing the final will receive an F grade for the course.

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

Grading:

Distribution			Scale		
			Grade	Points	Percentage
Attendance	40		A+	567-600	95%-100%
			A	537-566	90%-94%
Homework	60		A-	525-536	88%-89%
			B+	507-524	85%-87%
			B	477-506	80%-84%
Quizzes	100		B-	465-476	78%-79%
			C+	447-464	75%-77%
			C	387-446	65%-74%
Midterms	200		D+	357-386	60%-64%
			D	345-356	58%-59%
			D-	327-344	55%-57%
Final Exam	200		F	0-326	0%-54%
Total	600				

Math 11-05Y Tentative Schedule (Spring, 2025):

	MON	TUE	WED	THUR	FRI	SAT	SUN	Wk
APL	7 1.1	8 1.2, 1.3	9 1.4	10 1.5	11 2.1, 2.2	12	13	1
APL	14 2.3	15 2.4	16 3.1	17 **Quiz #1** (in classroom)	18 3.1, 3.2	19	20 Last day to drop without a W	2
APL	21 **Census Day** 3.2	22 4.1, 4.2	23 4.2	24 4.3	25 5.1-5.5	26	27	3
APL / MAY	28 6.1	29 6.2	30 Review	1 **Exam #1** (in classroom)	2 6.3	3	4	4
MAY	5 **Solution**	6 6.4	7 6.5	8 6.6	9 7.1	10	11	5
MAY	12 7.2	13 7.3	14 7.4	15 **Quiz #2** (in classroom)	16 7.5	17	18	6
MAY	19 7.6	20 7.7	21 8.1	22 8.2	23 8.3	24	25	7
MAY	26 Memorial Day **HOLIDAY**	27 8.4	28 Review	29 **Exam #2** (in classroom)	30 Drop with "W" 8.5	31	1	8
MAY / JUN	2 **Solution**	3 9.1	4 9.2	5 9.3	6 9.4	7	8	9
JUN	9 10.1	10 10.2	11 10.3	12 **Quiz #3** (in classroom)	13 10.4	14	15	10
JUN	16 11.1	17 11.2	18 11.3	19 Review	20 Review	21	22	11
JUN	21	24	25	26 **Final Exam** 9:15am-11:15am	27	28	29 Graduation	12
JUN / JUL	28 SUMMER BEGINS	29	30	1	2	3	4	1

Homework Problem List:

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:

M	11:30 AM - 12:30 PM	S16-A
T	12:00 PM - 1:00 PM	Zoom,Canvas
W	12:00 PM - 1:00 PM	Zoom,Canvas
TH	12:00 PM - 1:00 PM	Zoom,Canvas