

Math D011-Q01 (39472)
Math D211X-Q01 (39474)

MW: 1:30pm – 3:45pm, Room S46
Th: 1:30pm --3:45 pm, Room: S46

Winter, 2026

SYLLABUS

Instructor: Dr. Kejian Shi
e-mail: shikejian@fhda.edu
Office: S-16A
Office Hour: Wednesday: 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 is an **in-person** class. Students are expected to be in class Monday, Wednesday and Thursday. Attendance will be taken daily. A total of 40 points will be given to attendance credit. 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 **Monday, 3/23/2026**, from **1:45pm–3:45pm**. 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 D011-Q01 (39472) & Math D211X-Q01 (39474) Tentative Schedule (Winter, 2026):

Winter 2026								
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
Jan	5 INSTRUCTION BEGINS 1.1-1.2	6	7 1.3-1.4	8 1.5	9	10	11	1 1
Jan	12 2.1-2.2	13	14 2.3-2.4	15 Review Quiz #1	16	17	18 <i>Last Day to Add / to Drop without a W</i>	2 2
Jan	19 <i>M L K Holiday</i>	20 Census Day	21 3.1	22 3.2	23	24	25	3 3
Jan / Feb	26 4.2	27	28 4.3	29 Review Exam #1	30	31	1	4 4
Feb	2 Solutions 6.1-6.2	3	4 6.3-6.4	5 6.5-6.6	6	7	8	5 5
Feb	9 7.1-7.2	10	11 7.3-7.4	12 Review Quiz #2	13 <i>Lincoln's B-Day Holiday</i>	14 <i>President's Weekend</i>	15	6 6
Feb	16 <i>Washington's B-day Holiday</i>	17	18 7.5-7.6	19 7.7, 8.1	20	21	22	7 7
Feb / March	23 8.2-8.3	24	25 8.4-8.5	26 Review Exam #2	27 <i>Last Day to drop with a W</i>	28	1	8 8
March	2 Solutions 9.1-9.2	3	4 9.3	5 9.4	6	7	8	9 9
March	9 10.1-10.2	10	11 10.3-10.4	12 Review Quiz #3	13	14	15	10 10
March	16 11.1-11.2	17	18 11.3	19 Review	20	21	22	11 11
March	23 FINAL EXAM 1:45pm-3:45pm	24	25	26	27	28	29	12 12

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—6.3

Homework set #3: Sections 6.4—6.6, 7.1—7.5

Homework set #4: Sections 7.6—7.7, 8.1—8.5

Homework set #5: Sections 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
W	11:30 AM - 12:30 PM	S16-A
T	1:00 PM - 2:00 PM	Zoom,Canvas
TH	1:00 PM - 11:00 AM	Zoom,Canvas
T	10:00 AM - 11:00 AM	Zoom,Canvas