Math 22-50Z,

MTWThF,

SYLLABUS

Instructor: e-mail: Office Hour:	Dr. Kejian Shi shikejian@fhda.edu Wednesdays: 1:30pm-2:30pm virtual office hour via zoom on canvas				
Prerequisites: Textbook: Materials:	MATH 32 or MATH 32H (with a grade of C or better) or equivalent, and CIS 22A or CIS 35A (with a grade of C or better) or equivalent. <i>Discrete Mathematics</i> , Brief Edition, by Susanna S. Epp A scientific calculator recommended				
Attendance:	This class is an online class . My daily lecture videos will be posted on the Canvas. Students are expected to follow the schedule to watch and study the videos. The videos can be watched multiple times. Questions will be answered during office hours or through email. (It is the students' responsibility to drop by the appropriate deadline. Petitions to drop after the deadline will not be considered by the instructor.)				
Homework:	Homework is the key to success in this class. Plan to devote a minimum of TWO hours to homework for each class lesson.				
Quizzes:	Three Quizzes (33, 33, and 34 points) will be given from 8:00pm-9:00pm on the quiz day. No makeup quizzes. The lowest quiz score will be replaced by the average of the two highest quiz scores.				
Midterms:	<u>Two</u> midterm examinations (100 points each) will be given from 8:00pm-10:00pm on the midterm exam day. No makeup tests. The lowest midterm score will be replaced by the percentage of the final exam if the final percentage is higher.				
Final Exam:	<u>One</u> comprehensive examination will be given from 8:00pm-11:00pm on Wednesday, June 28, 2023. Any student missing the final will receive an F grade for the course.				
Integrity:	Any types of cheating are not tolerated. Corresponding school rules will be followed.				
Grading:	Distribution	<u>1</u>	Scale		
	Quizzes	100	Grade A+ A- B+	Points 473-500 448-472 438-447 423-437	Percentage 95%-100% 90%-94% 88%-89% 85%-87%
	Midterms	200	B B- C+ C	398-422 388-397 373-387 323-372	80%-84% 78%-79% 75%-77% 65%-74%
	Final Exam - Total	200 500	D+ D D- F	298-322 288-297 273-287 0-272	60%-64% 58%-59% 55%-57% 0%-54%

Math 22-50Z Tentative Schedule:

	MON	TUE	WED	THUR	FRI	SAT	SUN	Wk
	10	11	12	13		15	16	
APL								1
	1.1, 1.2, 1.3	2.1	2.2	2.3	3.1			
	17	18	19	20	21	22	23	
APL	2.2	2.2	2.4	4.1	Quiz #1	Last day to add	Last day to drop	2
	3.2	3.3 25	3.4 26	4.1 27	8:00pm-9:00pm 28	29	with no record 30	
APL	Solutions	23	20	21	20	29	50	3
	4.2	4.3	4.4	4.5	4.6			Ũ
	1	2	3	4	5	6	7	
MAY					Exam #1			4
	5.1	5.2	5.3	Review	8:00pm-10:00pm			
	8	9	10	11	12	13	14	_
MAY	G - 1	5 4		5.0	(1			5
	Solutions	5.4	5.5	5.6	6.1 19	20	21	
MAY	15	10	17	10	Quiz #2	20	21	6
	6.2	6.3	6.4	7.1	8:00pm-9:00pm			
	22	23	24	25	26	27	28	
MAY	Solutions							7
	7.2	7.3	7.4	8.1	8.2			
MAY	29	30	31	1	(Diop	3	4	
/	Memorial Day				Exam #2			8
JUN	Holiday	8.3	8.5	Review	8:00pm-10:00pm	10	11	
JUN	5	6	7	8	9	10	11	9
JUIN	Solutions	9.1	9.2	9.3	9.4			9
	12	13		15	16	17	18	
JUN					Quiz #3			10
	9.5	9.6	10.1	10.2	8:00pm-9:00pm			
	19	20	21	22	23	24	25	
JUN	Juneteenth Day	10.						11
TTINT	Holiday	10.3 27	10.4	Review	Review	1	-	
JUN /	26	27	28 Final Exam	29	30	1	2	12
JUL			8:00pm-11:00pm					12
	3	4		6	7	8	9	
JUL	SUMMER			Ū		0		1
	BEGINS							

Homework Problems:

Sections	Problems (Epp, Brief Ed.)
1.1	1, 2, 3,, 13.
1.2	1, 2, 3,, 12.
1.3	2, 4, 6,, 20.
2.1	2 - 5, 8, 9, 13 - 17, 22, 26, 28, 31, 33, 35, 42 - 44, 46.
2.2	2, 4, 8, 10, 13, 14b, 17, 18, 20, 22, 25, 27, 33, 35, 38, 41, 43, 44, 46.
2.3	2, 4, 11, 12b, 20, 21, 23, 28, 29, 31, 32, 36, 38, 40, 42.
3.1	4, 6, 7, 9, 10, 15, 16, 18, 23, 24, 28, 32.
3.2	3, 5, 8, 10, 12, 19, 21, 23, 29, 31, 33, 38, 40, 44, 47.
3.3	11, 14, 16, 17, 19, 23, 30, 35, 36, 41, 43, 44.
3.4	4, 6, 11, 12, 14, 15, 17, 19, 22, 24, 26.
4.1	5, 12, 30, 32, 36, 41, 42, 46, 52, 53, 57, 58.
4.2	5, 14, 19, 23, 26, 28, 30.
4.3	3, 5, 13, 18, 23, 24, 26, 28, 36, 37, 41, 46, 49.
4.4	2, 4, 8, 9, 15, 19, 22, 25,30, 37, 38, 43.
4.5	7, 10, 15, 17, 20, 24, 29, 33, 34c.
4.6	2, 4, 8, 10 11, 15,23, 28, 33.
5.1	2, 4, 9, 11, 17, 29, 31, 43, 47, 49, 52, 53, 55, 59, 61, 63, 65, 68, 72.
5.2	4, 7, 9, 12, 16, 17, 18, 23, 27, 32.
5.3	2, 3, 7, 9, 15, 17, 20, 25, 29.
5.4	1, 3, 5, 7, 9, 15, 17, 18.
5.5	2, 4, 8, 12, 14, 16, 19, 22, 26, 32.
5.6	4, 7, 8, 13, 20, 23, 25, 33, 38, 52.
6.1	3, 6, 8, 9, 12, 14, 17, 18, 20,23, 27, 30, 33.
6.2	2, 7, 9, 14, 19, 21, 23b, 26, 31, 35, 39.
6.3	2, 8, 13, 16, 19, 20, 32, 35, 43.
6.4	2, 3, 5, 9, 11aii, 11aiii, 11av, 11b.
7.1	2, 4, 10, 12, 22, 23, 27, 35, 37, 39, 42.
7.2	2, 5, 7, 9, 11, 16, 17, 20, 23, 30, 33, 37.
7.3	2, 4, 7, 10, 11, 17, 19, 22, 24, 25.
7.4	3, 4, 8, 9, 11, 15, 17, 18, 22, 27, 34.
8.1	3, 5, 7, 8, 17, 18, 20 21.
8.2	2, 10, 13, 17, 19, 21, 21, 26, 30, 38, 42.
8.3	2, 4, 6, 9, 10,13, 14, 17, 19, 24, 40.
8.5	2, 4, 6, 8, 10, 12, 14.
9.1	4, 6, 8, 10, 13, 14, 16, 19, 21, 22, 24, 26.
9.2	5, 11, 14, 15, 18, 21, 22, 24, 26, 27, 30, 33, 36.
9.3	6, 11, 20, 23, 25, 29, 32, 35.
9.4	2, 4, 8, 13, 16, 19, 23, 25, 28, 30, 31, 36.
9.5	4, 5, 7, 10, 12, 14, 17, 20, 22, 24, 25, 26a-d, 28, 30.
9.6	5, 9, 11, 14, 16, 17, 30, 34, 37, 44, 49, 54.
10.1	4, 6, 9, 16, 19, 22, 26c, 27, 33, 37, 39, 40, 44.
10.2	2, 5, 6, 8, 13, 15, 20, 22, 29, 30, 32, 33, 47.
10.3	3, 7, 15, 17, 19, 23, 26, 29.
10.4	2, 3, 5, 7, 11, 14, 17, 19, 20.

Student Learning Outcome(s):

*Critique a mathematical statement for its truth value, defend choice by formulating a mathematical proof or constructing a counterexample.

*Analyze and apply patterns of discrete mathematical structures to demonstrate mathematical thinking.

Office Hours:

Μ	10:30 AM	11:30 AM	In-Person	S16-A
т	01:30 PM	02:30 PM	Canvas	
W	01:30 PM	02:30 PM	Canvas	