Math 22-51Z,

MTWThF,

SYLLABUS

Instructor: e-mail: Office Hour:	Dr. Kejian Shi shikejian@fhda.edu Thursday, 9:30am-10:30am 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 the 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:	<u>Three</u> 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 22, 2022. 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 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
	4	5	6		7	8	9	10	
APL	District	Division/Dpt							1
	Flex Day	Flex Day	1.1, 1.2, 1.3	2.1		2.2			
	11	12	13	1	14	15	16	17	
APL						Quiz #1	Last day to add	Last day to drop	2
	2.3	3.1	3.2	3.3		8:00pm-9:00pm	Drop for refund	with no record	
	18	19	20	2	21	22	23	24	
APL	2.4	4.1	10	4.2					3
A DI	3.4	4.1	4.2	4.3	10	4.4	20	1	
APL	25	26	27	4	28	Request P/NP 29	30	1	4
/ N/A X	4.5	4.6	5.1	Review		Exam #1			4
MAY	4.5	4.0	5.1	Kevlew	5	8:00pm-10:00pm 6	7	8	
MAY	2	5	4		5	0	/	0	5
	Solutions	5.2	5.2, 5.3	5.3		5.5			5
	9	10	11		12	13	14	15	
MAY	,	10	11	-	. 2	Quiz #2	11	15	6
	5.6	6.1	6.2	6.3		8:00pm-9:00pm			Ŭ
	16	17	18		19	20	21	22	
MAY									7
	6.4	7.1	7.2	7.3		7.4			
	23	24	25	2	26	Drop with "W" 27	28	29	
MAY						Exam #2			8
	8.1	8.2	8.3	Review		8:00pm-10:00pm			
MAY	30	31	1		2	3	4	5	
/	Memorial Day								9
JUN	Holiday	Solutions	9.1	9.2		9.3			
	6	7	8		9	10	11	12	
JUN		0.7	0 - 0 -	0.6		Quiz #3			10
	9.4	9.5	9.5, 9.6	9.6		8:00pm-9:00pm	10	10	
IIINI	13	14	15	1	16	17	18	19	11
JUN	10.1	10.2	10.3	10.4		Review			11
	20	21	22		23	24	25	26	
JUN	Juneteenth Day	21	Final Exam	2		24	23	20	12
0.011	Holiday		8:00pm-11:00pm						12
JUL	27	28	29	3	30	1	2	3	
/	SUMMER			·					1
AUG	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.