SYLLABUS

Instructor: Dr. Kejian Shi e-mail: shikejian@fhda.edu

Office Hour: Wednesday, 9:30am-10:30am virtual office hour via zoom on canvas

Prerequisites: 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.

Textbook: Discrete Mathematics, Brief Edition, by Susanna S. Epp

Materials: 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: 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: Two 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: One 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:	<u>Distribution</u>		<u>Scale</u>		
			Grade	Points	Percentage
			A+	473-500	95%-100%
	Quizzes	100	A	448-472	90%-94%
			A-	438-447	88%-89%
			B+	423-437	85%-87%
			В	398-422	80%-84%
	Midterms	200	B-	388-397	78%-79%
			C+	373-387	75%-77%
			C	323-372	65%-74%
			D+	298-322	60%-64%
	Final Exam	200	D	288-297	58%-59%
	-		D-	273-287	55%-57%
	Total	500	F	0-272	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	14		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	21	. 22	23	24	
APL	2.4	4.1	4.0	4.2				3
A DI	3.4	4.1	4.2	4.3	4.4	20	1	
APL	25	26	27	28	Request P/NP 29	30	1	4
/ N	4.5	1.6	<i>E</i> 1	Daviass	Exam #1			4
MAY	4.5 2	4.6 3	5.1 4	Review	8:00pm-10:00pm	7	8	
MAY	2	3	4	J	6	/	0	5
IVIA I	Solutions	5.2	5.2, 5.3	5.3	5.5			3
	9	10	11	12		14	15	
MAY		10	11	12	Quiz #2	14	13	6
1417 1 1	5.6	6.1	6.2	6.3	8:00pm-9:00pm			
	16	17	18	19		21	22	
MAY	10	1,	10	17				7
	6.4	7.1	7.2	7.3	7.4			
	23	24	25		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	ç	10	11	12	
JUN					Quiz #3			10
	9.4	9.5	9.5, 9.6	9.6	8:00pm-9:00pm			
	13	14	15	16	17	18	19	
JUN	10.1	10.5	10.0	40.4				11
	10.1	10.2	10.3	10.4	Review	25	26	
TUNI	20	21	22 Final France	23	24	25	26	
JUN	Juneteenth Day		Final Exam					12
JUL	Holiday 27	28	8:00pm-11:00pm 29	30	1	2	3	
JUL /	SUMMER	28	29	30	1	2	3	1
AUG	BEGINS							1

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, 11aii, 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.