MTWThF,

SYLLABUS

Instructor: e-mail: Office Hour:	Dr. Kejian Shi shikejian@fhda.edu Friday, 11:00am-12:00noon 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 watch and study the videos on daily base. Different people can watch at different time during the day. 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:	<u>Three</u> Quizzes (33, 33, and 34 points) will be given from 6:00pm-6:40pm on the quiz day. No makeup quizzes. Quiz problems are similar to homework problems and lecture examples.						
Midterms:	<u>Two</u> midterm examinations (100 points each) will be given from 6:00pm-7:00pm on the midterm exam day. No makeup except for extenuating circumstances assuming the student notifies the instructor as soon as the emergency arises.						
Final Exam:	<u>One</u> comprehensive examination will be given from 6:00pm-8:00pm on Tuesday, March 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	L		<u>Scale</u>			
	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	200	D+ D D-	298-322 288-297 273-287	60%-64% 58%-59% 55%-57%		
	Total	500	D- F	0-272	0%-54%		

Winter	2022							
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
Jan	3 INSTRUCTION BEGINS	4	5	6	7	8	9	1
	1.1, 1.2	1.3, 2.1	2.2	2.3	3.1			1
Jan	10	11	12	13	14	15	16	
	3.2	3.3	3.4	4.1	Quiz #1	Last Day to Add	Last Day to Drop with refund/credit, with no record.	2
Jan	<u> </u>	3.5		4.1	21	22	23	
Jun	Last day to drop without a W	Census Day	17		-			3
	M L K Holiday	4.2	4.3	4.4	4.5			
Jan	24	25	26	27	28 Last day to request P/NP	29	30	4
	4.6	5.1	5.2	Review	Exam #1			
Jan /	31	1	2	3	4	5	6	
Feb	Solutions	5.3	5.4	5.5	5.6	10	12	5
Feb	7	8	9	10	11	12	13	6
	6.1	6.2	6.3	6.4	Quiz #2			Ŭ
Feb	14	15	16	17	18	19	20	
	7.1	7.2	7.3	7.4	Lincoln's B-Day Holday	President's Weel	kend	7
Feb	/.1	22	23	24	25	26	27	
	Washington's B-day Holiday				Last Day to drop with a W			8
Feb	28	8.1	8.2	Review 3	Exam #2 4	5	6	
/ March	20	1	2	5	-	5	0	9
	Solutions	8.3	8.5	9.1	9.2			
March	7	8	9	10	11	12	13	10
	9.3	9.4	9.5	9.6	Quiz #3			10
March	14	15	16	17	18	19	20	
	10.1	10.2	10.3	10.4	Review			11
March	21	22 FINAL EXAM 6:00pm-8:00pm	23	24	25	26	27	12

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.