Math 22-30Z,

MTWTh 3:00pm-5:15pm

SYLLABUS

Instructor: e-mail:	Dr. Kejian Shi shikejian@fhda.edu						
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 synchronized class . Our classes are zoom classes. I will also post my daily lecture videos on the Canvas for you to watch and study. Students are expected to attend the zoom meetings. Questions will be answered in class 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 (each lecture video).						
Quizzes:	Three Quizzes (33, 33, and 34 points) will be given from 8:00pm-9:00pm on the quiz day (see schedule). 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 (see schedule). 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 final examination will be given from 8:00pm-11:00pm on Thursday, August 10, 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 Scale						
	Quizzes	100	Grade A+ 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	298-322 288-297 273-287	60%-64% 58%-59% 55% 57%		
	Total	500	D- F	273-287 0-272	55%-57% 0%-54%		

Tentative Schedule:

	MON	TUE	WED	тни	FRI	SAT	SUN
	3	4	5	6	7	8	9
July				3.2, 3.3			
		Holiday		Quiz #1			
	1.1, 1.2, 1.3, 2.1	(No class)	2.2, 2.3, 3.1	8:00pm-9:00pm			
	10	11	12	13	14	15	16
July			4.5, 4.6	5.1			
				TEST #1			
	3.4, 4.1	4.2, 4.3, 4.4	Review	8:00pm-10:00pm			
	17	18	19	20	21	22	23
July				6.3, 6.4			
				Quiz #2			
	5.2, 5.3, 5.4	5.5, 5.6	6.1, 6.2	8:00pm-9:00pm			
	24	25	26	27	28	29	30
July			8.1, 8.2	8.3			
				TEST #2			
July	7.1, 7.2	7.3, 7.4	Review	8:00pm-10:00pm			
July /	31	1	2	3 9.6	4	5	6
August				9.0 Quiz #3			
August	8.5, 9.1	9.2, 9.3	9.4, 9.5	8:00pm-9:00pm			
	7	<u> </u>	<u> </u>	10	11	12	13
August		Ŭ	Ū				.0
				FINAL EXAM			
	10.1, 10.2	10.3, 10.4	Review	8:00pm-11:00pm			

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: