Math 22-03Z,

MTWTh, 8:30am-9:20am,

SYLLABUS

Instructor: e-mail: Office Hour:	Dr. Kejian Shi shikejian@fhda.edu Thursdays: 12:30pm-1:30pm (Canvas zoom) or by appointment					
Prerequisites:	MATH 32 or MATH 32H (with a grade of C or better) or equivalent, and CIS 22A or CIS					
Textbook: Materials:	35A (with a grade of C or better) or equivalent. Discrete Mathematics, Brief Edition, by Susanna S. Epp A scientific calculator recommended					
Attendance:	This class is a combination of online synchronous (MTWTh) and asynchronous (F) class . Students are expected to attend all classes on time Monday through Thursday. Attendance will be taken for every class meeting. A total of 40 points will be given to attendance credit. Every tests (Quizzes and Exams), except Quiz #2 and the Final, are given on Friday. If there are no tests, students should study the class material by themselves. 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. Homework assignments are due on the test (quiz or midterm) days. Each collection counts 10 points, the total is 60 points.					
Quizzes:	<u>Three</u> Quizzes (33, 33, and 34 points) will be given 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 in class 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 $8:00pm-10:00pm$ on Wednesday, $3/26/2025$. Any students missing the final will receive an F grade for the course.					
Integrity:	Any type of cheating is not tolerated. Corresponding school rules will be followed.					
Grading:	Distribution	1	Scale			
			Grade	Points	Percentage	
	Attendance	40	A+	567-600	95%-100%	
	Homework	60	A A-	537-566 525-536 507-524	90%-94% 88%-89%	
	Quizzes	100	B+ B B- C+	507-524 477-506 465-476 447-464	85%-87% 80%-84% 78%-79% 75%-77%	
	Midterms	200	C D+ D	387-446 357-386 345-356 327-344	65%-74% 60%-64% 58%-59% 55% 57%	
	Final Exam	200	D- F	327-344 0-326	55%-57% 0%-54%	
	Total	600				

Tentative Schedule:

							arn	_
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	W
an	6	7	/ 8	9	10	11	12	
	INSTRUCTION BEGINS							
	1.1, 1.2	1.3, 2.1	2.2	2.3	3.1			
an	13	14			17	18	19	
							Last Day to Add /	
					Quiz #1		to Drop without a W	
	3.2	3.3	3.4	4.1	8:00pm-8:45pm			
an	20	21 Commun Door	22	23	24	25	26	
	Last day to drop without a W	Census Day						
	M L K Holiday	4.2	4.3	4.4	4.5			
an	27	28			Last day to 31	1	2	
					request P/NP			
					Exam #1			
	4.6	5.1	5.2	Review	8:00pm-9:00pm	-		
an	3	4	l 5	6	7	8	9	
/ Feb								
eb	Solutions	5.3	5.4	5.5	5.6			
eb	10	11			14	15	16	
				_	Lincoln's B-Day			
				Quiz #2	Holday	President's Weel	kend	
	6.1	6.2	6.3	8:00pm-8:45pm				
Feb	17	18	s 19	20	21	22	23	
	Washington's B-day							
	Holiday	6.4	7.1	7.2	7.3			
Feb	24	25			Last Day to 28	1	2	
					dropwith a W			
					Exam #2			
	7.4	8.1	8.2	Review	8:00pm-9:00pm			
eb /	3	4	l 5	6	7	8	9	
/ arch								
arcii	Solutions	8.3	8.5	9.1	9.2			
arch	10	11			14	15	16	
					Quiz #3			1
	9.3	9.4	9.5	9.6	8:00pm-8:45pm			
arch	17	18	s 19	20	21	22	23	
								1
	10.1	10.2	10.3	10.4	Review			
arch	24	25			28	29	30	
			FINAL EXAM					1
			8:00pm-10:00pm					

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:

Т	11:30 AM	12:30 PM	In-Person	S16-A
ΤН	12:30 PM	01:30 PM	Canvas	
т	01:30 PM	02:30 PM	Canvas	
TH	01:30 PM	02:30 PM	Canvas	