MTWThF

SYLLABUS

Instructor: e-mail: Office Hour:	Dr. Kejian Shi shikejian@fhda.edu All questions will be answered through email.				
Prerequisites: Textbook: Materials:	Math 43 (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 expected to watch and study the videos on every school different time during the day. The videos can be watch answered through email. It is the students' responsibility Petitions to drop after the deadline will not be considered	l day. Different people can watch at ed multiple times. Questions will be to drop by the appropriate deadline.			
Homework:	Homework is the key to success in this class. Plan to d homework for each class lesson.	evote a minimum of TWO hours to			
Quizzes:	Three Quizzes (33, 33, and 34 points) will be given from makeup quizzes. The lowest quiz score will be replaced b scores.				
Midterms:	<u>Two</u> midterm examinations (100 points each) will be midterm exam day. No makeup tests. The lowest midterm so of the final exam if the final percentage is higher.				
Final Exam:	One comprehensive examination will be given from 6:00pm-9:00pm on Tuesday, March 23, 2021. 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			

	-		<u></u>	
		Grade	Points	Percentage
		A+	473-500	95%-100%
Quizzes	100	А	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%
		С	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%

Tentative Schedule:

2.3 3.1 3.2 3.3 Quiz #1 Jan 18 19 20 21 22 23 ML K Holiday No Class (Census Day) Solutions 20 21 22 23 Jan 25 26 27 28 29 29 23 Jan 25 26 27 28 29 24 29 24 Jan 25 26 27 28 29 29 24 29 24 Jan 25 26 27 28 29 29 28 29 29 28 Jan 25 26 27 28 29 29 28 29 29 28 29 29 28 29 29 28 29 20 28 29 20 28 29 20 28 29 28 29 29 28 29 26 26 27 28 28 29 26 26 27 28 28 29 26 26		MONDAY	TUESDAY	WEDNES DA	Y THURSDA'	Y	FRIDAY	SATURDAY	SUNDAY	W
BEGINS 1.1 1.2 1.3 2.1 2.2 ian 11 12 13 14 15 Last Day to Au 2.3 3.1 3.2 3.3 Quiz #1 Last Day to Au ian 18 19 20 21 22 24 ian 18 19 20 21 22 24 ian 25 26 27 28 Last day to request P/NP 29 24 ian 25 26 27 28 Last day to request P/NP 29 24 ian 25 26 27 28 Last day to request P/NP 29 24 ian 2 3 4 5 5 5 Solutions 5.1 5.2 5.3 5.5 5 Solutions 5.1 6.2 Quiz #2 No Class 19 24 Washington's B-day No Class 6.3 7.1 7.2 7.3 26 <td>lan</td> <td>4</td> <td>5</td> <td></td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td></td>	lan	4	5		6	7	8	9	10	
1.1 1.2 1.3 2.1 2.2 an 11 12 13 14 15 Last Day to At 2.3 3.1 3.2 3.3 Quiz #1 Last Day to At an 18 19 20 21 22 25 an 12 26 27 28 29 29 At 4.5 4.6 Review Exam #1 5 4.4 4.5 4.6 Review Exam #1 5 5.0 1 2 3 4 5 5.6 6.1 6.2 Quiz #2 President's W Washington's B-day 16 17 18 19 2 6b 15 16 17 18 19 2 Washington's B-day Solutions 7.1 7.2 7.3 26 7.4 8.1 8.2 Review Exam #2 26 27 Washington's B-day 1 2 3 4 5 26 26 26 26		INSTRUCTION								
an 11 12 13 14 15 Last Day to A. 2.3 3.1 3.2 3.3 Quiz #1 Last Day to A. an 18 19 20 21 22 23 an 18 19 20 21 22 24 an 25 26 27 28 29 23 an 25 26 27 28 29 24 4.4 4.5 4.6 Review Exan #1 74 74 74 74 75 7										
2.3 3.1 3.2 3.3 Quiz #1 an 18 19 20 21 22 23 an 18 19 20 21 22 24 an 25 26 27 28 29 28 an 25 26 27 28 29 28 4.4 4.5 4.6 Review Exam #1 49 49 4.4 4.5 4.6 Review Exam #1 50										
2.3 3.1 3.2 3.3 Quiz #1 an 18 19 20 21 22 23 ML K Holiday No Class (Census Day) Solutions 3.4 4.1 4.2 4.3 an 25 26 27 28 29 23 4.4 4.5 4.6 Review Exam #1 6b 1 2 3 4 5 6b 8 9 10 11 12 12 6b 15 16 17 18 19 23 6b 15 16 17 18 19 24 7.4 8.1 8.2 Review Exam #2 26 26 1 2 3 4 5 5 5 5 6b 22 23 24 25 26 26 26 Last Day to drop with a W 5 3 4 5 5 6b 22 23 24 25 26 26 26	an	11	12	1	3	14			17	
Image: No Class 19 20 21 22 22 ML K Holiday No Class (Census Day) 3.4 4.1 4.2 4.3 Image: Consust Day Solutions 3.4 4.1 4.2 4.3 Image: Consust Day Solutions 5.1 5.2 5.3 5.5 Solutions 5.1 5.2 5.3 5.5 Solutions 5.1 6.2 Quiz #2 No Class President's W No Class Veb 15 16 17 18 19 2 Web 22 23 24 25 26 26 27 Veb 22 23 24 25 26 26 27 Veb 22 23 24 25 26 26 27 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Last Day to Add</td> <td></td> <td></td>								Last Day to Add		
an 18 19 20 21 22 22 ML K Holiday No Class Solutions 3.4 4.1 4.2 4.3 an 25 26 27 28 29 23 an 25 26 27 28 29 23 an 25 26 27 28 29 23 4.4 4.5 4.6 Review Exam #1 5 4.4 4.5 4.6 Review Exam #1 5 Solutions 5.1 5.2 5.3 5.5 Solutions 5.1 6.2 Quiz #2 No Class President's W No Class 6.1 6.2 Quiz #2 No Class 19 2 Web 15 16 17 18 19 2 Web 22 23 24 25 26 26 26 Web 22 23 24 25 26 26 27 Web 22 23 24 25		22	2.1	2.2	2.2		O wiz #1		with refund/credit, with no record.	
ML K Holiday No Class (Census Day) Solutions (Census Day) Solutions<	an					21		23	24	⊢
No Class Solutions 3.4 4.1 4.2 4.3 an 25 26 27 28 29 23 an 25 26 27 28 29 24 4.4 4.5 4.6 Review Exam #1 $request P/NP$ 5.6 6.1 5.2 5.3 5.5 $request P/NP$ 5.6 6.1 6.2 Quiz #2 No Class $President's W$ 5.6 6.1 6.2 Quiz #2 No Class $President's W$ Washington's B-day Solutions 7.1 7.2 7.3 $reduest P/NP$ $reduest P/NP Solutions 8.3 9.1 9.2 9.3 reduest P/NP reduest P/NP $	an			2		21	22	25	24	
3.4 4.1 4.2 4.3 an 25 26 27 28 29 28 128										
Ian 25 26 27 28 29 Last day to request P/NP 4.4 4.5 4.6 Review Exam#1 Exam#2 Exam#2<				4.1	4.2		4.3			
4.4 4.5 4.6 Review request P/NP Exam #1 Feb 1 2 3 4 5 Solutions 5.1 5.2 5.3 5.5 Feb 8 9 10 11 12 Incoln's B-Day Holday President's W 5.6 6.1 6.2 Quiz #2 No Class President's W Washington's B-day 16 17 18 19 2 Washington's B-day Solutions 7.1 7.2 7.3 7.3 Feb 22 23 24 25 Last Day to drop with a W No Class 6.3 7.1 7.2 7.3 Feb 22 23 24 25 Last Day to drop with a W arch 1 2 3 4 5 Solutions 8.3 9.1 9.2 9.3 arch 8 9 10 11 12 1 9.4 9.5 9.6 10.1 Quiz #3 1 9.4 9.5 9.6	lan	25				28		30	31	
4.4 4.5 4.6 Review Exam #1 Feb 1 2 3 4 5 Solutions 5.1 5.2 5.3 5.5 Feb 8 9 10 11 12 12 Lincoln's B-Day Holday 5.6 6.1 6.2 Quiz #2 No Class President's W Solutions 5.6 6.1 6.2 Quiz #2 No Class President's W Washington's B-day Holiday Solutions 7.1 7.2 7.3 7.3 Feb 22 23 24 25 Last Day to drop with a W 26 Solutions 8.1 8.2 Review Exam #2 26 Last Day to drop with a W 5.4 5 5 5 Solutions 8.3 9.1 9.2 9.3 5 Solutions 8.3 9.1 9.2 9.3 1 arch 15 16 17 18 19 2 9.4 9.5 9.6 10.1 Quiz #3 1 </td <td></td>										
Feb 1 2 3 4 5 Solutions 5.1 5.2 5.3 5.5 Feb 8 9 10 11 12 President's W 5.6 6.1 6.2 Quiz #2 No Class President's W Feb 15 16 17 18 19 2 Washington's B-day Solutions 6.3 7.1 7.2 7.3 Feb 22 23 24 25 26 26 26 Molday Solutions 8.3 9.1 9.2 9.3 26 27 Solutions 8.3 9.1 9.2 9.3 36 37 37 37 Iarch 1 2 3 4 5 56 27 26 27 Solutions 8.3 9.1 9.2 9.3 9.3 36 Iarch 15 16 17 18 19 27 Jarch 15 16 17 18 19 27							request P/NP			
Solutions 5.1 5.2 5.3 5.5 Feb 8 9 10 11 Lincoln's B-Day Holday President's W President's W No Class Feb 15 16 17 18 19 2 Washington's B-day Holiday Solutions 7.1 7.2 7.3 7.3 Feb 22 23 24 25 26 26 27 Feb 22 23 24 25 Last Day to drop with a W 7.4 8.1 8.2 Review Exam #2 26 27 26 27 26 27 26 27 26 27 27 26 27 26 27 27 26 27 26 27 27 26 27				4.6						
Feb 8 9 10 11 12 12 12 12 12 13 10 11 12 12 13 14 10 12 13 10 11 12 12 13 10 11 12 14 10 12 14 10 12 14 10 12 14 10 12 14 10 12 14 10 12 15 16 17 18 19 22 26 27 27.3 26 27 27.3 26 27 27.3 26 27 27.3 26 27 27.3 26 27 27.3 26 27 27.3 26 27 27.3 26 27 27.3 26 27 27.3 26 27 27.3 27.3 26 27.3 </td <td>Feb</td> <td>1</td> <td>2</td> <td></td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td></td>	Feb	1	2		3	4	5	6	7	
Feb 8 9 10 11 12 12 12 12 12 13 14 12 16 17 18 19 President's W Feb 15 16 17 18 19 2										
Feb 8 9 10 11 12 Lincoln's B-Day Holday President's W 5.6 6.1 6.2 Quiz #2 No Class President's W Feb 15 16 17 18 19 2 Washington's B-day Holiday Solutions 7.1 7.2 7.3 2 Feb 22 23 24 25 26 2		C alast and	5.1	5.2	5.2					
5.6 6.1 6.2 Quiz #2 Lincoln's B-Day Holday No Class President's W No Class Feb 15 16 17 18 19 2 Washington's B-day Holiday Solutions 7.1 7.2 7.3 7.3 Feb 22 23 24 25 26 26 Asst Day to drop with a W 2 23 24 25 26 26 Asst Day to drop with a W 2 3 4 5 26 26 Solutions 8.1 8.2 Review Exam #2 26 27 27 Solutions 8.3 9.1 9.2 9.3 9 9 10 11 12 11 Solutions 8.3 9.1 9.2 9.3 10 11 12 11 Solutions 8.3 9.1 10.1 Quiz #3 10 11 12 11 9.4 9.5 9.6 10.1 Quiz #3 10 11 12 11 10.2 10.3 10.4	Fab					11		13	14	⊢
5.6 6.1 6.2 Quiz #2 Holday No Class President's W No Class Feb 15 16 17 18 19 2 Washington's B-day Holiday No Class Solutions 7.1 7.2 7.3 7.3 Feb 22 23 24 25 26 26 26 Feb 22 23 24 25 26 26 26 7.4 8.1 8.2 Review Exam #2 26 27 27 27 26 27 27 27 26 27 27 27 26 27 27 27 26 27<	reb	0	,	-				15	14	
5.6 6.1 6.2 Quiz #2 No Class Feb 15 16 17 18 19 2 Washington's B-day Holiday Solutions 7.1 7.2 7.3 7.3 Feb 22 23 24 25 26 2 2 Feb 22 23 24 25 26 2 3 2 3 3 3 3 3 3 3 3 3 3 3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>President's Wee</td> <td>kend</td> <td></td>								President's Wee	kend	
Washington's B-day Holiday Solutions No Class 6.3 7.1 7.2 7.3 Feb 22 23 24 25 26 26 Last Day to drop with a W 8.1 8.2 Review Exam #2 26 larch 1 2 3 4 5 Solutions 8.3 9.1 9.2 9.3 larch 8 9 10 11 12 1 9.4 9.5 9.6 10.1 Quiz #3 2 larch 15 16 17 18 19 2 10.2 10.3 10.4 Review Review Review		5.6	6.1	6.2	Quiz #2					
Holiday No Class Solutions 6.3 7.1 7.2 7.3 Feb 22 23 24 25 26 Last Day to drop with a W Exam #2 26 27 27 28 28 28 29 26 26 27 27 26 27 27 26 26 26 26 27 27 26 26 26 27 26 27 26 26 26 26 26 26 26 26 27 26 26 26 26 26 27 26 26 27 26 2				1	7	18	19	20	21	
No Class 6.3 7.1 7.2 7.3 Feb 22 23 24 25 26 23 24 25 26 23 24 25 26 23 24 25 26 23 24 25 26 23 24 25 26 23 26 23 24 25 26 23 26 23 26 23 26 23 26 23 26 23 26 23 24 25 26 23 24 23 3 4 5 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 3 10 3 3 4 5 3 3 4 5 3 3 1 1 12 1 1 3 3 4 3 3 3 <	W									
Feb 22 23 24 25 26 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
7.4 8.1 8.2 Last Day to drop with a W Exam #2 Iarch 1 2 3 4 5 Solutions 8.3 9.1 9.2 9.3 Iarch 8 9 10 11 12 14 9.4 9.5 9.6 10.1 Quiz #3 10 11 12 14 10.2 10.3 10.4 Review Review Review Review									•0	
7.4 8.1 8.2 Review with a W Exam #2 Iarch 1 2 3 4 5 Solutions 8.3 9.1 9.2 9.3 Iarch 8 9 10 11 12 9.4 9.5 9.6 10.1 Quiz #3 Iarch 15 16 17 18 19 10.2 10.3 10.4 Review Review	Feb	22	23	2	4			27	28 Last day to file	
7.4 8.1 8.2 Review Exam #2 Iarch 1 2 3 4 5 Solutions 8.3 9.1 9.2 9.3 Iarch 8 9 10 11 12 9.4 9.5 9.6 10.1 Quiz #3 Iarch 15 16 17 18 19 2 10.2 10.3 10.4 Review Review Review									Winter degree or	
Iarch 1 2 3 4 5 Solutions 8.3 9.1 9.2 9.3 Iarch 8 9 10 11 12 1 9.4 9.5 9.6 10.1 Quiz #3 1 <td></td> <td>7.4</td> <td>8.1</td> <td>8.2</td> <td>Review</td> <td></td> <td></td> <td></td> <td>certificate</td> <td></td>		7.4	8.1	8.2	Review				certificate	
Solutions 8.3 9.1 9.2 9.3 larch 8 9 10 11 12 1 9.4 9.5 9.6 10.1 Quiz #3 arch 15 16 17 18 19 2 10.2 10.3 10.4 Review Review Review	larch			0.2		4		6	7	┢
Iarch 8 9 10 11 12 1 9.4 9.5 9.6 10.1 Quiz #3 Quiz #3 Iarch 15 16 17 18 19 2 10.2 10.3 10.4 Review Review Review		-	-			-	c	Ŭ	,	
Iarch 8 9 10 11 12 1 9.4 9.5 9.6 10.1 Quiz #3 Quiz #3 Iarch 15 16 17 18 19 2 10.2 10.3 10.4 Review Review Review										
9.4 9.5 9.6 10.1 Quiz #3 larch 15 16 17 18 19 2 Solutions 10.2 10.3 10.4 Review Review		Solutions	8.3	9.1	9.2		9.3			
Iarch 15 16 17 18 19 2 Solutions 10.2 10.3 10.4 Review Review Review	larch	8	9	1	0	11	12	13	14	
Iarch 15 16 17 18 19 2 Solutions 10.2 10.3 10.4 Review Review Review										
Iarch 15 16 17 18 19 2 Solutions 10.2 10.3 10.4 Review Review Review			. -	0.6	10.1		0 1 1/2			
Solutions Image: Solution service 10.2 10.3 10.4 Review	7 1					10		20		⊢
10.2 10.3 10.4 Review Review	arch		10	L	./	19	19	20	21	
		Solutions								1
		10.2	10.3	10.4	Review		Review			
larch 22 23 24 25 26	larch	22	23			25		27	28	
FINAL EXAM 6:00PM-9:00PM			FINAL EXAM							1

Homework Problems:

Sections	Problems
	1, 2, 3,, 13.
	1, 2, 3,, 12.
	2, 4, 6,, 20.
2.1	2 - 5, 8, 9, 13 - 17, 22, 26, 28, 31, 33, 35, 42 - 44, 46.
	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.
5.5	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.
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.
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.