Math 22-5,   8:30 a.m. --9:20 a.m., MTWThF,   Room: S54,   Fall, 2018

SYLLABUS

Instructor:	Dr. Kejian Shi
e-mail:	shikejian@fhda.edu
Office & Phone:	S-16A, (408)864-8481
Office Hour:	10:30 --11:00 a.m. and 1:30 p.m. – 2:00 MTWThF, or by appointment

Prerequisites:	Math 43 (with a grade of C or better), or equivalent
Textbook:	*Discrete Mathematics*, Brief Edition, by Susanna S. Epp
Materials:	A scientific calculator recommended

Attendance: Students are expected to attend all classes on time. Students who are absent more than **3 times** may be dropped from the class. However, **it is the students' responsibility to drop by the appropriate deadline. Petitions to drop after the dead line will not be considered by the instructor.**

Homework: Homework (hw) will be assigned **every day in class** and will be collected three times, each on **the examination days** (20 points for each collection). No late hws will be accepted. Hw is the key to success in this class. Plan to devote a minimum of **TWO hours** to hw for each class hour.

Quizzes: <u>**Three Quizzes**</u> (33, 33, and 34 points) will be given in class. No makeup quizzes. Quiz problems are similar to homework problems and lecture examples.

Midterms: <u>**Two** one-class-hour midterm examinations</u> (100 points each) will be given in class. No makeup except for extenuating circumstances assuming the student notifies the instructor as soon as the emergency arises.

Final Exam: **One two-hour comprehensive examination** will be given on **Wednesday, December 12, 2018**. from **7:00am–9:00am** Any student 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:

<u>Distribution</u>			<u>Scale</u>		
			Grade	Points	Percentage
Homework	60		A+	530-560	95%-100%
			A	502-529	90%-94%
			A-	490-501	88%-89%
Quizzes	100		B+	474-489	85%-87%
			B	446-473	80%-84%
			B-	434-445	78%-79%
Midterms	200		C+	418-433	75%-77%
			C	362-417	65%-74%
			D+	334-361	60%-64%
Final Exam	200		D	322-333	58%-59%
	--------		D-	308-321	55%-57%
Total	560		F	0-307	0%-54%

Tentative Schedule:

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
SEP	24 INSTRUCTION BEGINS 1.1	25 1.2	26 1.3	27 2.1	28 2.2	29	30	1
OCT	1 2.3	2 3.1	3 3.2	4 3.3	5 Review Quiz #1	6 Last Day to Add	7 Last Day to Drop with no Record	2
OCT	8 Census Day 3.4	9 4.1	10 4.2	11 4.3	12 4.4	13	14	3
OCT	15 4.5	16 4.6	17 5.1	18 Review Hw/Proj. 1 Due	19 Last Day to Request P/NP Exam #1	20	21	4
OCT	22 Solution	23 5.2	24 5.3	25 5.5	26 5.6	27	28	5
OCT / NOV	29 6.1	30 6.2	31 6.3	1 6.4	2 Review Quiz #2	3	4	6
NOV	5 7.1	6 7.2	7 7.3	8 7.4	9 8.1	10	11	7
NOV	12 VETERAN'S DAY NO CLASSES	13 8.2	14 8.3	15 Review Hw/Proj. 2 Due	16 Last Day to Drop with a W Exam #2	17	18	8
NOV	19 Solution	20 9.1	21 9.2	22 THANKSGIVING NO CLASSES	23 THANKSGIVING NO CLASSES	24	25	9
NOV / DEC	26 9.3	27 9.4	28 9.5	29 9.6	30 Review Quiz #3	1	2	10
DEC	3 10.1	4 10.2	5 10.3	6 10.4	7 Review Hw/Proj. 3 Due	8	9	11
DEC	10	11	12 Final Exam 7:00AM-9:00	13	14	15	16	12
					12 weeks, 53 days of instruction			

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.