Math 22-5,   **8:30 a.m. -- 9:20,**   **MTWThF,**   **Room: E31,**   **Spring, 2019**

SYLLABUS

Instructor:	Dr. Kejian Shi
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Office & Phone:	S-16A, (408)864-8481
Office Hour:	MTWTh: 7:45--8:20AM & 1:25 -- 2:00PM; F: 7:45—8:20AM, 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**</u> **one-class-hour midterm examinations** (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, June 26, 2019**. from **7:00am–9:00am** 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: <u>Distribution</u>   <u>Scale</u>

Distribution			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%
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Total	560		F	0-307	0%-54%

Tentative Schedule:

	MON	TUE	WED	THUR	FRI	SAT	SUN	Wk
APL	8 **1.1**	9 **1.2**	10 **1.3**	11 **2.1**	12 **2.2**	13	14	1
APL	15 **2.3**	16 **3.1**	17 **3.2**	18 **3.3**	19 **Review** **Quiz #1**	20 Last day to add Drop for refund	21 Last day to drop with no record	2
APL	22 **3.4**	23 **4.1**	24 **4.2**	25 **4.3**	26 **4.4**	27	28	3
APL / MAY	29 **4.5**	30 **4.6**	1 **5.1**	2 **Review**	3 Request P/NP **Exam #1**	4	5	4
MAY	6 **Solution**	7 **5.2**	8 **5.2, 5.3**	9 **5.3**	10 **5.5**	11	12	5
MAY	13 **5.6**	14 **6.1**	15 **6.2**	16 **6.3**	17 **Review** **Quiz#2**	18	19	6
MAY	20 **6.4**	21 **7.1**	22 **7.2**	23 **7.3**	24 **7.4**	25	26	7
MAY / JUN	27 MEMORIAL DAY **HOLIDAY**	28 **8.1**	29 **8.2**	30 **Review**	31 Drop with "W" **Exam #2**	1	2	8
JUN	3 **Solution**	4 **8.3**	5 **9.1**	6 **9.2**	7 **9.3**	8	9	9
JUN	10 **9.4**	11 **9.5**	12 **9.5, 9.6**	13 **9.6**	14 **Review** **Quiz #3**	15	16	10
JUN	17 **10.1**	18 **10.2**	19 **10.3**	20 **10.4**	21 **Review**	22	23	11
JUN	24	25	26 **Final Exam** **7:00AM-9:00**	27	28	29	30	12
JUL	1 SUMMER BEGINS	2	3	4	5	6	7	1

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.