Math 22-3,   7:30 a.m. --8:20 a.m., MTWThF,   Room: E32,   Winter, 2019

SYLLABUS

Instructor: Dr. Kejian Shi
e-mail: shikejian@fhda.edu
Office & Phone: S-16A, (408)864-8481
Office Hour: 8:30 --9:20 a.m. 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: <u>**One** two-hour comprehensive examination</u> will be given on **Monday, March 25, 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>

			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:

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
Jan	**7** INSTRUCTION BEGINS 1.1	**8** 1.2	**9** 1.3	**10** 2.1	**11** 2.2	**12**	**13**	**1**
Jan	**14** 2.3	**15** 3.1	**16** 3.2	**17** 3.3	**18** Review Quiz #1	**19** *Last Day to Add*	**20** *Last Day to Drop with refund/credit, with no record.*	**2**
Jan	**21** M L K Holiday *No Class*	**22** Solutions 3.4	**23** 4.1	**24** 4.2	**25** 4.3	**26**	**27**	**3**
Jan / Feb	**28** 4.4	**29** 4.5	**30** 4.6	**31** Review Hw/Proj.1 Due	**1** *Last day to request P/NP* Exam #1	**2**	**3**	**4**
Feb	**4** Solution	**5** 5.1	**6** 5.2	**7** 5.3	**8** 5.5	**9**	**10**	**5**
Feb	**11** 5.6	**12** 6.1	**13** 6.2	**14** Review Quiz #2	**15** *Lincoln's B-Day Holday* No Class	**16** *President's Weekend*	**17**	**6**
Feb	**18** *Washington's B-day Holiday* No Class	**19** Solution 6.3	**20** 6.4	**21** 7.1	**22** 7.2	**23**	**24**	**7**
Feb / March	**25** 7.3	**26** 7.4	**27** 8.1	**28** Review Hw/Proj.2 Due	**1** *Last Day to drop with a W* Exam #2	**2**	**3**	**8**
March	**4** Solution	**5** 8.2	**6** 8.3	**7** 9.1	**8** 9.2	**9**	**10**	**9**
March	**11** 9.3	**12** 9.4	**13** 9.5	**14** 9.6	**15** Review Quiz #3	**16**	**17**	**10**
March	**18** Solution 10.1	**19** 10.2	**20** 10.3	**21** 10.4	**22** Review Hw/Proj. 3 Due	**23**	**24**	**11**
March	**25** FINAL EXAM 7:00AM-9:00	**26**	**27**	**28**	**29**	**30**	**31**	**12**
April	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**0**
April	**8** *SPRING INSTRUCTION BEGIN*	**9**	**10**	**11**	**12**	**13**	**14**	**1**

Winter 2019

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.