**Math 22-5, 9:30 am --10:20 am, MTWThF, Room: S54, Spring, 2018**

# SYLLABUS

**Instructor:** Dr. Kejian Shi
**Office:** S-16A
**Office Phone:** (408) 864-8481
**Office Hour:** MTWRF: 8:00am. -- 9:00am. 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 review day of each exam** (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:** **Three Quizzes** (33, 33, and 34 points) will be given in class. No makeup quizzes. Quiz problems are similar to homework problems and lecture examples.

**Midterms:** **Two 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 from **9:15am–11:15am** on **Tuesday, June 26, 2018**. Any student missing the final will receive an F grade for the course.

**Grading:**

Distribution

| | |
|---|---|
| Homework | 60 |
| Quizzes | 100 |
| Midterms | 200 |
| Final Exam | 200 |
| Total | 560 |

Scale

| Grade | Points | Percentage |
|---|---|---|
| A+ | 530-560 | 95%-100% |
| A | 502-529 | 90%-94% |
| A- | 490-501 | 88%-89% |
| B+ | 474-489 | 85%-87% |
| B | 446-473 | 80%-84% |
| B- | 434-445 | 78%-79% |
| C+ | 418-433 | 75%-77% |
| C | 362-417 | 65%-74% |
| D+ | 334-361 | 60%-64% |
| D | 317-333 | 57%-59% |
| D- | 300-316 | 54%-56% |
| F | 0-299 | 0%-53% |

**Integrity:** Any type of cheating is not tolerated. Corresponding school rules will be followed.

**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.