

**De Anza College – Spring 2019**  
**MATH 22-63 Discrete Mathematics**

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Instructor: Dr. Paul Du  
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Class: Tue & Thur 6:30–8:45 pm, Room E33  
Office Hours: Tue & Thur 3:00–3:50 pm, Room S43

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## **Prerequisite**

Math 43 (with a grade of C or better), or equivalent.

## **Course Materials**

- Textbook: *Discrete Mathematics: An introduction to Mathematical Reasoning, Brief Edition* by Susanna Epp. A printed book is optional. A digital book may be rented online via an e-textbook site such as VitalSource.
- Course Guided Notes (Required)

## **Calculator**

A scientific or graphing calculator is optional. Calculators with computer algebra systems (CAS) (e.g. TI-89/TI-92/TI-Nspire) will not be allowed on exams or quizzes. Cell phone calculators will not be allowed on exams or quizzes.

## **Workload**

Students are expected to spend a minimum of 10 hours outside of class per week reading the book and notes, solving homework problems, and preparing for the exams.

## **Homework and Quizzes**

Homework will be assigned for each lesson and will be due on each exam day. Students are responsible for solving all the problems assigned, showing all work in a neat and orderly manner. Simply giving answers without showing work will receive no credit. Homework will be graded on neatness, completeness, and correctness. Late homework will be accepted but will receive a maximum of half credit.

***Homework Assignment Requirements:*** Each homework assignment must be completed on standard size loose-leaf paper (No torn-out spiral notebook pages,) stapled together, in pencil or black/blue pen. The first page must be a cover page that contains the student name and a completion checklist. Each problem must be clearly numbered and each solution must begin with the original problem statement (except for a word problem). Assignments that do not follow the format requirement will not be collected.

There will be four (4) quizzes given during the quarter. Quiz problems will be based on the homework and class examples. The lowest quiz score will be dropped. There will be **no make-up quizzes under any circumstances.**

## Exams

There will be two (2) midterm exams given during the quarter. Students may bring one 3" × 5" index card (two-sides) of handwritten notes to each midterm exam. The lowest midterm exam score will be replaced by the final exam score, if the latter is higher. There will be **no make-up midterm exams under any circumstances**.

A mandatory comprehensive final exam will be given at the end of the quarter. Students may bring one 8.5" × 11" sheet (two sides) of handwritten notes to the final exam. A picture ID is required to take the final exam. Any student who **misses the final exam will receive a grade of F** for the course.

## Grading Policy

The course grade will be determined by the following criteria:

Participation/Attendance . . . . .	5%	A =	90% – 100%
Homework . . . . .	10%	B =	80% – 89%
Quizzes . . . . .	10%	C =	70% – 79%
Midterm Exams . . . . .	45%	D =	60% – 69%
Final Exam . . . . .	30%	F =	0% – 59%

\*The instructor reserves the right to assign plus/minus grades for borderline cases.

## Attendance Policy

Students are expected to attend all classes, to be on time and to stay for the entire class period. Any student who misses more than one (1) class during the first two weeks or more than three (3) classes before the withdraw deadline may be dropped by the instructor. Each incidence of tardiness or leaving class early will count as half an absence. If a student decides not to continue with the course, it is the student's responsibility to officially drop the course. Failure to do so may result in a grade of F for the course.

## Academic Honesty Policy

Students are responsible for keeping themselves informed of the De Anza College Policy on Academic Integrity ([www.deanza.edu/policies/academic\\_integrity.html](http://www.deanza.edu/policies/academic_integrity.html)). Cheating will not be tolerated and may result in receiving a zero on the exam or an F for the course and being reported to the Dean of Students Office for possible disciplinary action.

## Student Conduct and Classroom Behavior

Students are responsible for keeping themselves informed of the De Anza College Student Code of Conduct ([www.deanza.edu/student-development/conduct.html](http://www.deanza.edu/student-development/conduct.html)). Disruptive classroom behavior is unacceptable. Examples of such behavior include, but not limited to, talking during lecture and student presentation, making distracting noises, or arriving to class late or leaving early. Persistent disruption may result in being asked to leave the class and/or being referred to the Dean of Students Office.

## **Accommodations for Students with Disabilities**

Students with disabilities who believe that they may need accommodations in this course are encouraged to contact Disability Support Services (408-864-8753) or Educational Diagnostic Center (408-864-8839) as soon as possible to ensure that such accommodations are arranged in a timely fashion.

## **Additional Help**

If you find yourself falling behind or find any topics difficult to understand, seek help immediately! Math and Science Tutorial Center (S43) provides free group and individual tutoring.

## **Tips for Success**

- ▶ Participate actively in class.
- ▶ Work problems every day.
- ▶ Review old material constantly.
- ▶ Form a study group.
- ▶ Utilize tutoring and online resources.

**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.