

Syllabus: Math 22 (Section 61), Winter 2019

6:30 – 8:45 PM, Room G7

Instructor: Dr. Bill Wilson

Office Hours: 5:30-6:15 Monday, Wednesday in E37 (or by appointment)

Email: wilsonwilliam@fhda.edu

Phone: 408-309-3956

Text: Epp, Susanna. Discrete Mathematics: An Introduction to Mathematical Reasoning, Brief Edition. Cengage Learning, 2011.

Prerequisite: Mathematics 41 (with a grade of C or better); or a satisfactory score on the College Level Math Placement Test within the last calendar year.

Course Description: Elements of discrete mathematics with applications to computer science. Topics include methods of proof, mathematical induction, logic, sets, relations, graphs, combinatorics, and Boolean algebra.

Homework: Homework will be assigned most classes.

Exams: Three exams will be given plus the final exam. Exam dates will be announced at least a week ahead of time. There will be no makeups. If an exam is missed because of a valid excuse, an equivalent of the final exam score will be used as the score for the missed exam.

Quizzes: Regular quizzes will be given. Quizzes will be announced at least one class ahead of time. You may correct and resubmit two quizzes for a higher score.

Final Exam: A comprehensive final exam will be given on 3/27/19 from 6:15 PM to 8:15 PM.

Accommodations: Students requiring accommodations are welcome in this class. Please notify me and DSS of any special requirements. Go to <https://www.deanza.edu/dss/> for more information.

Grading: 3 midterms @ 15% = 45%
homework and class work: 10%
quizzes: 15%
final exam: 30%

Scale: A: 93+ A-: 90+
B+: 87+ B: 83+ B-: 80+
C+: 77+ C: 70+
D: 60+
F: < 60

Tentative Calendar:

The calendar below provides guidance on when sections of the text will be covered and when quizzes and tests will take place. However, those will change as necessary to ensure that there is sufficient time to explain and understand each topic.

	<i>Sunday</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>	<i>Wk.</i>
Jan.	6	7 Chapter 1,2	8	9 Chapter 2	10	11	12	1
	13	14 Chapter 2	15	16 Chapter 3	17	18	19 <i>Last day to add</i>	2
	20 <i>Last day to drop</i>	21 <i>Holiday Martin Luther King</i>	22 <i>Census Day</i>	23 Chapter 4	24	25	26	3
Feb.	27	28 Chapter 4	29	30 Test 1 Chapter 5	31	1 <i>Pass/no pass deadline</i>	2	4
	3	4 Chapter 5	5	6 Chapter 5, 6	7	8	9	5
	10	11 Chapter 6	12	13 Chapter 6	14	15 <i>President's weekend</i>		6
	17	18 <i>Holiday President's weekend</i>	19	20 Chapter 7	21	22	23	7
Mar	24	25 Test 2 Chapter 7	26	27 Chapter 8	28	1 <i>Last day to drop with a "W"</i>		8
	3	4 Chapter 9	5	6 Chapter 9	7	8	9	9
	10	11 Chapter 10	12	13 Chapter 10	14	15	16	10
	17	18 Review, Test 3	19	Review	21	22	23	11
	24	25	26	27 Final	28	29	30	12

← FINALS WEEK →

ESL: If English is a second language, a print English translation dictionary is allowed for exams/quizzes

Expectations of Students:

1. **Academic dishonesty will not be tolerated.** If a student is found cheating on an exam or quiz, he or she will receive a 0 for the item. Repeated instances of cheating may lead to failing the course and further action.
2. **Showing your work.** You need to show your work on homework and exams to receive full credit.
3. **Respect you fellow students.** Silence cell phones and tablets in class.

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.