DeAnza College

Spring 2025 MATH 22 – 37 TTH 4:00 – 6:15 MLC103

Instructor:	Linlin Zhang **Email**: zhanglinlin@fhda.edu **Canvas:** https://deanza.instructure.com/
Text:	**Discrete Mathematics, Brief Edition,** by Susanna S. Ep
Equipment:	**A scientific or Graphing Calculator is required** During lesson, you can use your phone: **TI Emulator Apps** For iPhone: GraphNCalc83 (free with ads) For Android: Graphing Calculator plus 84 83 ($2.99)
Class Meetings	**MLC 103 TTh 4:00 – 6:15PM**
Office Hours:	**MLC 105 TTh 3:30 – 3:55PM**

1. **Prerequisite:**
   MATH 32 or MATH 32H (with a grade of C or better) or equivalent, and CIS 22A or CIS 35A (with a grade of C or better) or equivalent.

2. **Course Description:**
   This course explores elements of discrete4 mathematics with applications to computer science. Topics include methods of proof, mathematical induction, logic sets, relations, graphs, combinatorics, and Boolean algebra.

3. **Student Learning Outcomes:**
   - Critique a mathematical statement for its truth value, defend choice by formulating a mathematical proof or constructing a counter example.
   - Analyze and apply patterns of discrete mathematical structures to demonstrate mathematical thinking.

3. **Drop Policy:**
   Attendance is integral to your success in this course. I expect you to attend all class meetings. **It is always YOUR RESPONSIBILITY to drop** the class if you feel like you can't continue for any reason.

4. **Tutoring**
   The Math, Science, and Technology Resource Center **(S43)** provides free online tutoring **Monday – Thursday 10AM – 5PM**. For more information, go to www.deanza.edu/studentsuccess/mstrc
   You can also use "NetTutor" link on the navigation in Canvas or attend my office hour. Email me for appointments if you want to meet at alternative time.

5. **Academic Integrity:**

   All tests are allowed some notes, but your work must reflect what you know based on your own knowledge and thought. Referencing or copying another student's solutions, or searching answer online during tests are considered cheating. Violation of this policy will result in the student receiving ZERO credit for the entire assignment or test. Further action may be taken depending on the circumstance.

6. **Support Services**

   Students with disabilities needing reasonable accommodation should inform me in the beginning of the quarter. To begin the reasonable accommodations process, I will need to fill out a request form from the Disabilities Support Services (DSS). For more information, please visit the DSS office at SCSB 141, call (408) 864-8753 /(408) 864-8748 TTY, or go to www.deanza.edu/dss.

7. Grade:

All grades will be posted on Canvas as soon as they become available. It is your responsibilities to check Canvas at least once a week to monitor your grades for the class.

In Class (drop 2)	10%
Homeworks (drop 1)	15%
7 Quizzes (drop 1)	15%
2 Exams	40%
Final Exam	20%
Total	100%

A: 90-100%
B: 80-89%
C: 70-79%
D: 60–69%
F: 0-59%

In Class Participation

Each lesson has in-class practice near the end. You will complete the handout and turn them in. Keep in mind that your problems are very similar to the ones I do, but adapted with different numbers. In the events of absence, you will receive zero for the in-class. Two lowest scores will be dropped for overall grade calculation at the end of the term.

Homework:

Homework assignments are assigned from **textbook** or MyOpenMath test bank. You need to submit your answers to **MyOpenMath** (embedded in **Canvas**). Even I am not collecting work, you are supposed to work out the problems on your own paper.

Late Work Policy

Each student are given **6 late passes (7-day extension each)** this quarter. After a homework assignment is due, you should see a "late pass" button in the description of the assignment. If an assignment is due on 1/12, using one late pass will extend the due date to 1/17. After using all your late passes, you can complete an assignment in "**Practice**" mode, and there is a **15% penalty** when I record your grade later.

Quizzes:

Six Quizzes are proctored quizzes and will be given in the classroom on quiz days. Quiz problems are similar to homework problems and lecture examples.

Midterms and Final

Two midterms and ***one final exam*** will be given. Every test counts. You CAN'T drop any.

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8. Class Calendar

Week	Tuesday	Thursday	Notes
1	4/8 1.1/1.2/1.3	4/10 2.1/2.2/2.3	
2	4/15 3.1/3.2/3.3	4/17 **Quiz 1** 3.4/4.1	**Sun. Apr. 20th** last day to add or drop with no record.
3	4/22 4.2/4.3/4.4	4/24 **Quiz 2** 4.5/4.6	
4	4/29 5.1/5.2/5.3	5/1 **Quiz 3** 5.4/5.5	
5	5/6 5.6/6.1/6.2	5/8 **Test 1** **Ch 1 to Ch 5**	
6	5/13 6.3/6.4	5/15 **Quiz 4** 7.1/7.2	
7	5/20 7.3/7.4	5/22 **Quiz 5** 8.1/8.2	
8	5/27 8.3/8.5	5/29 **Quiz 6** 9.1/9.2	**Friday, May. 30th:** last day to drop with a "W".
9	6/3 9.3/9.4	6/5 **Quiz 7** 9.5/9.6	
10	6/10 10.1/10.2	6/12 **Test 2** Ch 6 to Ch 9	
11	6/17 10.3/10.4	6/19 **No Class** **Juneteenth**	
12	6/24 No Class	6/26 **Final Exam** **4 – 6 PM**	

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.

Office Hours:

M,W	1:00 PM - 1:30 PM	MLC 109
M,W	6:15 PM - 6:45 PM	MLC 109
T,TH	3:00 PM - 3:30 PM	Zoom
F	9:00 AM - 9:45 AM	Zoom
T,TH	3:30 PM - 3:55 PM	MLC 105