

## Syllabus: Math 44-13Z (CRN 27592), Fall 2025

### About the class

**Math-D044 - 13Z CRN: 27592**

**ZTC**

**Instructor: Neelam R. Shukla**

**Class Meeting:** TTh 4:00pm – 6:15 pm online (synchronous) via Zoom in Canvas shell. Make sure that you should join the class 5 minutes before the class starts, and do not hesitate to ask questions. Take the Syllabus quiz as soon as possible during the first week by Thursday.

**Email:** [shuklaneelam@fhda.edu](mailto:shuklaneelam@fhda.edu) (Always start your e-mail subject line with “Math 44”) and contact Via inbox of the Canvas.

**Class Hours:** TTh 4:00pm – 6:15 pm online (synchronous) via Zoom in Canvas

**Office Hours:** Thursday 7:00 pm- 7:40 pm via Canvas

**Textbook: A free textbook will be available** <https://openstax.org/details/books/contemporary-mathematics>

**Homework:** The homework (on MOM) will be via Canvas and take you to MyOpenMath to complete the homework. (Free registration)

**Essential Student Materials:** Scientific Calculator, Paper to take notes, computer to take exams.

### Course Objectives

Course Description: A survey of selected topics from contemporary mathematics, including problem solving techniques and connections between mathematics and culture. Includes a selection of introductory topics from symmetry; graph theory; chaos and fractals; topology; number theory; geometry; combinatorics and counting; the mathematics of social choice; data analysis, probability and statistics; consumer mathematics and personal financial management.

### Course Content

Chapter 1: Sets

Chapter 2: Logic

Chapter 3: Real Number Systems and Number Theory

Chapter 4: Number Representation and Calculation

Chapter 5: Algebra

Chapter 6: Money Management

Chapter 7: Probability

Chapter 8: Statistics

Chapter 9: Metric Measurement

Chapter 10: Geometry

Chapter 11: Voting and Apportionment

Chapter 12: Graph Theory

### Student Commitment

This is a demanding but rewarding class. This class expects students to attend all classes and have a minimum of 10 hours of study each week outside of class. Math 44 covers a lot of material and moves at a rapid pace. At De Anza College (and all colleges) each at least 2 hours of study outside of class are expected for each hour in class, for a total of 10+5 hours weekly.

## Assessment

Assignment	weightage	Dates
2 Exams	35 %	Please check canvas for the dates.
3 Quizzes (1 least score will be dropped)	20 %	Please check canvas for the dates.
Homework (2 least score will be dropped)	15 %	Please check canvas for the dates.
Group work (1 least score will be dropped)	15 %	Please check canvas for the dates.
Final Exam	15 %	Please check canvas for the date.

### **Tentative Dates for Exams and quizzes:**

Check the tentative schedule table and check the Canvas for due dates.

### **Important Note:**

- Quizzes will be timed (60+10) minutes open for 24 hours. 10 minutes to upload pictures of the work done.
- Exams will be timed for (90 +10) minutes during the class time from 4:00 pm-6:15 pm. 10 minutes to upload pictures of the work done.
- One least score of quiz, Group work and 2 least score of homework will be dropped. Final exam score can replace any least midterm exam score.

**Homework:** There will be an online homework on MyOpenMath. Homework extension should be automatically used by the student (Set up by the instructor) as -10 late pass in case you are late for completing the assignment.

**Exams and Quizzes:** Online exams and quizzes with time limit will be given via canvas. Quizzes will be timed and open for 24 hours. Exams will be during the class time. Final exam on 11<sup>th</sup> Dec will be (4:00 pm-6:00 pm online).

**Group Project:** You will be asked to work on a project in a group and to create a written report and give a short presentation during the last week of class, details will be provided in class.

**Free Tutoring:** I strongly encourage you to utilize this resource. More information can be found here: <http://www.deanza.edu/studentssuccess/mstrc/>

**Supplemental Resources:** I encourage you to poke around the library and web to see what other supplemental resources exist. One great resource is the following link: <http://tutorial.math.lamar.edu/Classes/Alg/Alg.aspx>

### Academic Integrity

All students are expected to be academically honest throughout the term. Any instances of cheating or plagiarism will result in disciplinary action, which may include recommendation for dismissal. You are encouraged to work together but submitting someone else's work as your own is never acceptable! Also, that activity will be of no help to you later. Cheating will result in getting a 0 on the assignment or assessment, an 'F' in the course, or dismissal from the class.

Also, each incident of cheating will be reported to the Dean of the Physical Science, Mathematics and Engineering Division. Please see the De Anza College's page on [Academic Integrity](#). Also, please watch this [video](#) that's designed to help you understand what academic honesty means:

## Help

1. Your classmates are a great resource. Ask for help and provide help to others either within your current groups or using Canvas discussion boards!
2. Visit me during office hour for help with online homework or any other course related questions.
3. Ask questions during the class meetings **Tuesday, Thursday**.
4. Get help from De Anza's Math [Student Success Center](#). Use NetTutor (available 24/7) for help through Canvas. You can also access SmartThinking through MyPortal.

If you need any technical help with MyPortal, Zoom, [Canvas help](#).

## Disability Notice

If you feel that you may need an accommodation based on the impact of a disability, please contact me privately to discuss your specific needs. Also, please contact [Disability Support Programs & Services](#) for information or questions about eligibility, services, and accommodations for physical, psychological or learning disabilities. For more information about De Anza College's policy on academic integrity: <https://www.deanza.edu/studenthandbook/academic-integrity.html>

## Policies for This Class:

- Student is responsible for officially dropping the class.
- No retakes or extension for assignments will be allowed unless you are sick (provide evidence) If changes were made will be "exactly same" for everyone in the class.
- One least score of quiz, exam and homework will be dropped.
- If a student is caught cheating, the instructor reserves the right to assign a grade of F for the entire course or to drop the student with a W from the course.
- Late adds and late drops will not be processed.
- Homework extension (Late Pass) should be automatically requested by the student on MOM (Set up by the instructor) with in 168 hours in case you are late for completing the assignment
- In case any confusion or you need help, please talk to me in the office hours. Keep in mind I am always there to explain the concepts of the course material to my students in case you need some extra helps, please do not hesitate. Other than the official office hours, I will always try to add some Zoom meetings to help the students before the exams, so be ready for time-slot suggestions. Participate in the discussions with high importance.
- These policies are part of the syllabus and will be strictly enforced. By enrolling in this course, you as the student agree to accept these policies and follow them and agree that the **instructor reserves the right to drop a student from the course with a W if any of the policies are violated**. Further action may also be taken against a student who violates specific policies, such as the policy on cheating.
- Try to approach Disability Support Programs and Services (DSPS) Test Accommodation Center in time if you are doing so. Always make sure that your time for the exam has been extended before starting the exam in case you see anything looks missed, please email me immediately.
- Please note any behavior that is not appropriate, may be reported to the PSME dean and subsequent action may be taken.

- If student notices that the instructor made an error on the grading, the student is responsible to inform the instructor within a week of the date of the exam/quiz. Otherwise, the student's score on the exam/quiz will be unchangeable.

**Grade Breakdown:** > 93–100% = A, >90-93 % =A-, >86-90% = B+, >83–86% = B, >80-83%= B-, 70–75% = C, >75-80% =C+, 60- <70% =D, below 60% = F

Tentative Schedule: MW	Sections to be covered	Assignments and due dates
Week 1 and 2 (Sept 22 - Oct 5)	Chap 1& 2	Quiz1(Chap 1&2)
Week 3 and 4 (Oct 6 – Oct 19)	Chapter 3,4& 5	Quiz2 (Chap 3,4&5)
Week 5 and 6 (Oct 20 - Nov 2)	Chap 6&7	Exam 1(Chapter 1-5)
Week 7 and 8 (Nov 3 – Nov 16)	Chap 8&9	Quiz3 (Chap 6,7&8)
Week 9 and 10 (Nov 17 – Nov 30)	Chap 10&11	Exam 2 (Chap 5-11)
Week 11 and 12 (Dec 1 – Dec 12)	Chap 12 Review	Final Exam Thursday 4:00 pm -6:00 pm

**Important dates:**

September 22

Fall classes begin

October 5

Last day to [add 12-week classes](#)

October 5

Last day to [drop classes](#) without a W

November 11

Veterans Day holiday – no classes; offices closed

November 14

Last day to [drop classes](#) with a W

November 27-30

Thanksgiving holiday – no classes; offices closed

December 8-12

[Final exams](#)

**Student Learning Outcome(s):**

- Analyze contemporary mathematical problems, apply problem solving techniques using a variety of methods, and communicate the results mathematically through a variety of forms.
- Demonstrate and correctly apply basic mathematical techniques in at least five of the following ten areas: symmetry, graph theory, fractals and chaos theory, topology, number theory, geometry, combinatorics, methods of social choice, probability and statistics, economics and personal finance.
- Examine and evaluate myths and realities about the contemporary discipline of mathematics and its practitioners.

**Office Hours:**

F	6:00 PM - 6:50 PM	Canvas,Zoom
F	6:50 PM - 7:40 PM	Zoom,Canvas
F	6:50 PM - 7:40 PM	Zoom,Canvas
F	6:00 PM - 6:50 PM	Zoom,Canvas
F	6:50 PM - 7:40 PM	Zoom,Canvas
TH	7:00 PM - 7:40 PM	Zoom,Canvas