

## **Math 46/EDUC 46- 13Z – CRN (27594/28305)- De Anza College- Fall 2024- Syllabus**

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**Instructor:** Reza Shariatmadari

**Course Name:** Math 46/EDUC 46- Mathematics for Elementary Education

**Class dates:** This class runs from September 23, 2024, to December 06, 2024.

**CRN/Section:** 27594 / 13Z

**Location:** Zoom

**Time:** Tue/Thu from 4:00PM to 6:15 PM.

**Office Hours: Location:** zoom **Time: Tuesday 8:00 AM to 9:00 AM**

**Email:** shariatmadarireza@fhda.edu

**Textbook:** Mathematics For Human Flourishing by Francis Su.

**Course Description:** Designed for prospective elementary and middle school teachers. An introduction to the discipline of mathematics as the use of logical, quantitative, and spatial reasoning in the abstraction, modeling, and problem solving of real-world situations. The main topics in the course include the origins of mathematics, mathematical reasoning and problem-solving strategies, theory of sets, integers and integral number theory, rational numbers and proportion, real numbers and decimal notation, and measurement. Throughout the course students will experience the learning of mathematics in a way that models how they can create an active learning environment for their future students.

**Course Pre-requisite:** MATH 114 with a grade of C or better, or a qualifying score on Intermediate Algebra Placement Test within the past calendar year. Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

**Homework Assignments and Projects:** Homework problems and projects are integral part of this course. They will be assigned according to our progress in class. They provide practice, help clarify ideas introduced in class or in the text and constitute a partial guide as to what to expect on Quizzes and Exams. You are encouraged to work together to study, do your homework, and project.

**Midterms, Exams and Quiz:** There will be 3 quizzes this quarter. These quizzes will be given either during regularly scheduled class meetings, as a take home exam, group exam, or any combination of the three. You will be notified in advance about the format of these exams. Quizzes and exams are cumulative. Any change in quiz dates and/or location will be announced in advance.

**Tentative Exam Schedule:**

Quiz 1: Tuesday October 15, 2024

Quiz 2: Thursday November 7, 2024

Quiz 3: Thursday December 5, 2024

**Final Exam:** Thursday December 12, 2024, from 4:00 PM to 6:00 PM.

**Attendance and class participation:** I expect that you attend all my lectures. You are expected to come to class prepared for the day's discussion. Should you miss a lecture for any reason, you are responsible for all the materials covered and given assignments. I suggest that you contact your group members to find out about the material that you have missed. I will not repeat any lectures under any circumstance, neither in class nor during my office hours.

**My Expectations:**

By the end of this quarter, I would like you to be able:

- 1- To match key terms to the appropriate concepts and definitions.
- 2- To define key terms in your own words.
- 3- To recognize and use concepts and procedures correctly in new situations appropriate to your discipline.
- 4- To break larger issues and problems into their component parts to facilitate problem solving and deeper understanding.
- 5- To combine concepts and procedures from this class in new ways so you can solve problems and create new ways of seeing the course content.
- 6- To compare and contrast information in such a way that allows you to solve problems and accomplish your goals.
- 7- Finally, one of my objectives is for you to develop self confidence in your abilities to learn mathematics mainly by reading, thinking, and asking questions, rather than memorizing bunch of formulas.

## **Course Policy:**

- 1- No late work will be accepted under any circumstances nor credit given for late homework and assignments.
- 2- No make-up quiz or exam will be given under any circumstances.
- 3- To submit any document to Canvas, make sure your document is saved as a pdf. Any other types of file format will not be accepted by Canvas.
- 4- You are responsible for keeping up with course materials, catching up with subjects and ideas that you have missed. You should practice as much as possible.
- 5- I reserve the right to make changes to the syllabus at any time. You will be notified via Canvas announcement about any changes on the syllabus.
- 6- I will not discuss your grades via email for security and privacy reasons so you must consult with me (on zoom) about your standing in class and your grade throughout the quarter. I strongly suggest that you do not leave anything for the last minute.
- 7- This class is a synchronous online class, and your participation is essential and expected.
- 8- Class sessions and lectures are not recorded.
- 9- If you miss any class, you are responsible for catching up and finding what you have missed. You should start by getting the class notes from one of your classmates. Read those notes and write any questions you have so you can ask them during the office hours.
- 10- Office hours are also on zoom. Come to office hours as much as you can and as often as you can and ask question. I strongly believe that there is no right or wrong question and there is no smart or stupid question. All questions are welcomed in this class, and I will do my best to answer any question that you have no matter how elementary it may sound.
- 11- If you have an obligation (work related activity, DA sport related activity, medical reasons, or conflict with other classes) that prevents you from attending office hours, or if you have a private issue to discuss, you can always send me an email and set up a 5-minute private meeting on zoom.
- 12- You are responsible for keeping up with important dates on academic calendar.

**Few tips on how to succeed in this class:**

Your success in my class is extremely important to me and I will do everything in my power to help you achieve your goals. Here are few tips on how to succeed in this course:

- 1- Be an active learner, don't memorize, learn the concepts.
- 2- When you try to solve a problem, make sure you understand what the problem is asking for. Read the question multiple times if needed. Think about how you are going to solve the problem, and what is your strategy for solving the problem.
- 3- Don't be afraid of making mistakes. You may not be able to solve a problem on the first try and that's okay. Try again. No matter what, never, ever give up.
- 4- Your participation is essential. Your progress depends entirely on your commitment both inside and outside the classroom. I expect you to spend at least 2 hours outside of class, studying for every lecture.

**Academic Integrity:** Students are reminded that their behavior always reflects upon the college community. The minimum penalty for cheating, plagiarism, etc. is a grade of zero on the assignment. For additional information on the college's policies, read the Ethics and the Academic Integrity Policy at <http://www.deanza.edu/studenthandbook/academic-integrity.html>.

**Grades:** Course grades will be determined by homework, projects, quiz, and final exams. Your grade is always available to you on Canvas. General guidelines are as follows:

Homework Assignments: 10%

Quiz 1: 15%

Quiz 2: 20%

Quiz 3: 25%

Final Exam: 30%

**Your Course letter grade will be determined based on the following percentiles:**

(A) 94% to 100%

(A-) 90% to < 94%

(B+) 87% to < 90%

(B) 84% to < 87%

(B-) 80% to < 84%

(C+) 77% to < 80%

(C) 74% to < 77%

(C-) 70% to < 74%

(D+) 67% to < 70%

(D) 64% to < 67%

(D-) 60% to < 64%

(F) 00% to < 60%

**IMPORTANT:**

**All Quiz and Exams are for your exclusive use only. Meaning you are not allowed to share them with anyone, post them online, or share it using any other means without my written and verbal permission. You can keep quiz and exams only for your own personal use.**

**To receive full credit or partial credits, you must show your work step-by-step and in detail. Write Clearly and neatly. If you just write a final answer without showing detailed work, you will not receive any credits.**

**If I can't read your work or if your work is not clear, I will not grade it and you will receive a score of zero.**

**When applicable, box your final answer.**

## Additional Information

### Student Code of Conduct:

Foothill and De Anza Colleges consider the following principles essential to their educational mission and community life:

1. Mutual respect between students, faculty and staff;
2. Pursuit of studies with honesty and integrity;
3. Respect for College and personal property; and
4. Compliance with all rules and regulations.

These standards are intended to promote responsible student conduct and fair play. Students shall be subject to College discipline (*as outlined in [Administrative Procedure 5520: Student Due Process and Discipline](#)*[Links to an external site.](#)) for any of the following misconduct that occurs at any time on campus or at any off campus facility, including internet-based courses held on the world-wide web, or college-approved or sponsored functions:

1. Academic dishonesty, such as cheating, plagiarism (including plagiarism included in student publications), or knowingly furnishing false information to the Colleges, or District;
2. Unauthorized preparation, giving, selling, transfer, distribution or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes, except as permitted by any district policy or administrative procedure;
3. Dishonesty, forgery, alteration, or misuse of College or District documents, records or identification;
4. Obstruction or disruption of teaching, research, administration, disciplinary procedures, or other College or District activities, including its public service functions, or of other authorized activities;
5. Physical or verbal abuse of any person or conduct which threatens or endangers the health or safety of any such person;
6. Committing or attempting to commit robbery or extortion;
7. Causing or attempting to cause damage to College or District property or to private property on campus;
8. Stealing or attempting to steal College or District property or private property on Campus, or knowingly receiving stolen College or District property or private property on campus;
9. Willful misconduct that results in injury or death to a student or to College or District personnel or which results in cutting, defacing, or other injury to any real or personal property owned by the College or District or on the campus;
10. Unauthorized entry to or use of College or District facilities;
11. Violation of College or District policies or of campus regulations including those concerning registration of student organizations, use of College or District facilities, or the time, place and manner of public expression;
12. Unlawful possession, use, sale, offer to sell, or furnishing or being under the influence of, any controlled substance as listed in California Health and Safety Code Section 11053 et seq., an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or

- offering, arranging or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5;
13. Use, possession, or sale of any firearm, knife, explosive, or other object that could be classified as a weapon (unless the student has specific authorization from a College or District official);
  14. Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of authority, or persistent abuse of College or District personnel;
  15. Gambling on College or District property;
  16. Hazing or any act that injures, degrades, or disgraces or tends to injure, degrade, or disgrace any fellow student or other persons;
  17. Disorderly conduct or lewd, indecent or obscene behavior, conduct or expression on District-owned or controlled property, or at District sponsored or supervised functions;
  18. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the College or District;
  19. Theft or abuse of computer time, including but not limited to:
    1. Unauthorized entry into a file, to use, read or change the contents or for any other purpose;
    2. Unauthorized transfer of a file;
    3. Unauthorized use of another persons identification and password;
    4. Use of computing facilities to interfere with the work of another student, faculty member or college official;
    5. Use of computing facilities to send obscene or abusive messages, or to defame or intentionally harm other persons;
    6. Use of computing facilities to interfere with normal operation of the college computing system;
    7. Use of computing facilities for student's personal benefit;
  20. Committing sexual harassment as defined by law or as set forth in [\*Board Policy 4640\*](#)Links to an external site.;
  21. Engaging in harassing or discriminatory behavior based on race, sex, religion, age, national origin, disability, or any other status protected by law.
  22. Engaging in expression which is obscene, libelous or slanderous, or which so incites students as to create a clear and present danger of the commission of unlawful acts on College or District premises, or the violation of lawful College or District regulations, or the substantial disruption of the orderly operation of the College or District.
  23. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.



## **Academic Integrity:**

“You will be required to comply with all De Anza rules and regulations, especially the section on academic integrity [http://www.deanza.edu/policies/academic\\_integrity.html](http://www.deanza.edu/policies/academic_integrity.html)Links to an external site.

All information at the policies webpages applies in this course and students will be held accountable for this information.

You will find descriptions of cheating and plagiarism: “Cheating is the act of obtaining or attempting to obtain credit for academic work through the use of dishonest, deceptive or fraudulent means... Plagiarism is representing the work of someone else as your own” (and the webpages give many detailed examples), and these statements: “Academic and/or administrative sanctions may be applied in cases of academic dishonesty.

- Academic consequences may include
- Receiving a failing grade on the test, paper or exam
- Having course grade lowered
- Administrative consequences may include
- Disciplinary probation
- Disciplinary suspension
- Expulsion

Students may also be subject to arrest or monetary fines if the academic dishonesty offense violates state or federal law.”

## **Help and Support:**

“Programs for student success in all kinds of classes, including tutorials, readiness, academic skills, instructional computing and more:

<http://deanza.edu/studentssuccess/Links to an external site.>

More students qualify for financial aid than use it or even know they qualify. There are enrollment fee waivers you can apply for online which take about a week to get an answer. For all the details go to:

<http://www.deanza.fhda.edu/financialaid/index.html>Links to an external site.

You don't have to pay for all your classes/fees at once. De Anza has an installment payment plan that allows you to defer most of your payments. Go

to: [http://deanza.edu/cashier/installment\\_plan.html](http://deanza.edu/cashier/installment_plan.html)Links to an external site.

De Anza College offers many scholarships, some of which have few applicants!

Check out the loot:

<http://deanza.edu/financialaid/types/scholarships.html>Links to an external site.

De Anza college has a webpage with **resources for food, shelter / housing, transportation** and more.

<https://www.deanza.edu/resources/index.html>Links to an external site.

The De Anza College Food Pantry provides food to students in need. You can get a bag of groceries with few forms to fill out. [http://deanza.edu/outreach/food\\_pantry.html](http://deanza.edu/outreach/food_pantry.html) Links to an external site.

“Family Issues, romantic relationship difficulties, anxiety, stress” and other **personal issues should preferably be dealt with while they are not a big deal**, before they do become a big deal. “From time to time, problems of everyday living can be resolved through talking with friends, family, or someone whom we trust to help us. However, there are times when seeking help outside of one’s familiar environment might be more helpful. [https://www.deanza.edu/psychologicalservices/Links to an external site.](https://www.deanza.edu/psychologicalservices/Links%20to%20an%20external%20site) is here to meet such needs.”

Designated **quiet spaces with power and Wi-Fi on campus** can be found at: <https://www.deanza.edu/students/zoom-spaces> Links to an external site.

These can be useful if you decide to take an online class that meets near the time of one of your on-campus classes.

## **Disability Support Services (DSS):**

De Anza College views disability as an important aspect of diversity, and the college is committed to providing equitable access to learning opportunities for all students. Disability Support Services (DSS) is the campus office that collaborates with students who have disabilities to provide and/or arrange reasonable accommodations

If you have, or think you have, a disability in any area such as, mental health, attention, a learning disability, chronic health, sensory (e.g. hearing or vision), or physical, please contact DSS to arrange a confidential discussion regarding equitable access and reasonable accommodations.

If you are registered with DSS and have accommodations set by a DSS counselor, please be sure that your instructor has received your accommodation letter from Clockwork early in the quarter to review how the accommodations will be applied in the course.

Students who need accommodated test proctoring must meet appointment booking deadlines at the DSPS Testing Center.

- Exams must be booked at least five (5) business days in advance of the instructor approved exam date/time.
- Final exams must be scheduled seven (7) business days/weekdays in advance of the instructor approved exam date/time.
- Failure to meet appointment booking deadlines will result in the forfeit of testing accommodations and you will be required to take your exam in class.
- Contact the DSS if you cannot find or utilize your MyPortal Clockwork Portal.

DSS strives to provide accommodations in a reasonable and timely manner, some accommodations may take additional time to arrange. We encourage you to work with DSS and your faculty, as early in the quarter as possible, so that we may ensure that your learning experience is accessible and successful.

DSS Location: RSS Building, Suite 141

Phone: 408-864-8753

On the web: <https://www.deanza.edu/dsps/Links to an external site.>

Email: DSS@deanza.edu ”

## **Privacy Statement:**

<https://www.deanza.edu/policies/ferpa.html>Links to an external site.

## **Recording Policy:**

"To ensure compliance with the Family Education Rights and Privacy Act (FERPA), student recording of class lectures or other activities is generally prohibited without the explicit written permission of the instructor and notification of other students enrolled in the class section. Exceptions are made for approved accommodations under the Americans with Disabilities Act. Recording of lectures and other class activities may be made by faculty to facilitate instruction, especially for classes taught remotely through Canvas. Participation in such activities implies consent for the student to be recorded during the instructional activity. Such recordings are intended for educational and academic purposes only."

## **Student Disruptions:**

"The college will enforce all policies and procedures set forth in the Standards of Student Conduct (<https://go.boarddocs.com/ca/fhda/Board.nsf/goto?open&id=9U2UC77B2DA5>Links to an external site.) Any student disrupting the class may be asked to leave that class. Administrative follow-up may result."

"If disruptive behavior occurs in a class, "the instructor may remove the student from his or her class for that day and the next class meeting if the student interfered with the instructional process," and the behavior will be reported to the Office of Student Development for possible disciplinary action/reprimand/suspension."

"It would be impossible to list all the ways a student could be disruptive, but the basic definition is: a disruptive person is one, who through his/her behavior, speech or actions, interferes with academic activity."

(And see:

### **California Education Code, ARTICLE 3. Removal, Suspension, or Expulsion**

#### **76032**

"The adopted rules of student conduct may authorize an instructor to remove a student from his or her class for the day of the removal and the next class meeting. The instructor shall immediately report the removal to the chief administrative officer for appropriate action. . ."

[https://leginfo.legislature.ca.gov/faces/codes\\_displaySection.xhtml?lawCode=EDC&sectionNum=76032](https://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?lawCode=EDC&sectionNum=76032)Links to an external site. )

**Safety Protocols:**

At <https://www.deanza.edu/policies/health.html>Links to an external site. we read an example you could use some or all of

**Academic and Social Support:**

Academic and Social Support through your [Guided Pathways Village](#)Links to an external site.

De Anza College

I \_\_\_\_\_ have read this syllabus in its entirety, and acknowledge that I have understood the content and agree to comply accordingly.

Signature \_\_\_\_\_

Date \_\_\_\_\_

You must fill out this form and hand-in this page at the beginning of the second day of the class. Write your full name clearly, sign, and date.

**Student Learning Outcome(s):**

- Analyze mathematical problems from elementary mathematics, apply problem solving techniques using a variety of methods, solve these problems individually and in groups, and communicate results mathematically through a variety of forms.
- Utilize ideas from number theory, distinguish types and properties of numbers, and employ mathematical rules for operating on rational and irrational numbers using verbal, symbolic, geometric, and numerical methods.
- Examine and evaluate myths and realities about the contemporary discipline of mathematics and its practitioners.
- Identify and discuss developments in the history of elementary mathematics from a variety of cultures.

**Office Hours:**

T	08:00 AM	09:00 AM	Zoom
TH	08:00 AM	09:00 AM	Zoom