

Math 46.27&Educ 46.27
Mathematics for Elementary Education
De Anza College-Spring 2020

Instructor: Gul Yayli - yayligul@fhda.edu

Office Hours: Online Office Hours:
Mondays: 2:00pm-2:50pm **via email- If you email me during this time you will get a response right away.**
Tuesdays: 2:00pm-3:00pm **via Zoom.**
Wednesday: 2:00pm-3:00pm **via Zoom.**
Fridays: 12:30pm-1:30 pm **via email- If you email me during this time you will get a response right away.**

Please email me any time at yayligul@fhda.edu , and expect to hear from me within 24 to 36 hours during weekdays. Please be sure to indicate your course section id every time you email me (Math 46.27 or Educ 46.27)

Course is partially synchronous: Class will meet on Thursdays between 1:30pm -3:45pm. Student learning will be facilitated using instructor provided Zoom Class sessions, lecture notes/videos, Zoom/email office hours, WebAssign online homework system, and collaborative work.

Prerequisites:

- Prerequisite: 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.

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.

Textbook and Required Materials /Access:

- E-Book: “**Mathematics for Elementary School Teachers , 7th Edition** Tom Bassarear; Meg Moss ISBN-10: 1-337-62996-0, SBN-13: 978-1-337-62996-6
- **Graded homework will be done using [WebAssign](#).**
- Computer/smartphone to complete online homework assignments, submit group work and presentations on Canvas, and attend required live class meetings.
- A notebook where you will record notes for each chapter, including work for doing the homework problems. (This is to help you organize your work, and can be used on quizzes/exams. I will not be collecting this!)

Evaluation and Grade Break Down:

2 Mid-Term Exams (to be submitted on Canvas)	30% (15% each)
Mathematical Autobiography	5%
Biweekly Exploration Group Work (to be submitted on Canvas)	10%
Homework (WebAssign)	20%
Final Project& Presentation	20%
Final Exam	15%
Total	100%

A+: (97% - 100%) A: (92% - 96%) A-: (89% - 91%) B+: (87% - 88%) B: (82% - 86%)
 B-: (79% - 81%)
 C+: (77% - 78%) C: (69% - 76%) D+: (67% - 68%) D: (62% - 66%) D-: (60% - 61%)
 F: < 60%

Some important Dates:

Saturday, April 25 th	Last Day to Add.
Sunday, April 26 th	Last day to drop with no grade of record.
Sunday, April 26 th	Last Day to Drop without a W
Friday, June 5 th	Last day to drop with W.

Homework: Graded homework will be done on WebAssign.

- To support students during COVID-19 Cengage is providing students access free of charge. Please refer to your Canvas for WebAssign access details.

No Questions Asked Passes:

This quarter you will be given 3 No Questions Asked Passes. Ordinarily I do not accept late homework assignments or labs. However, I do realize that things do come up that may keep you from completing an assignment. **If you do not turn in a homework assignment, you automatically receive a zero. If you would like to complete the assignment, you must email me at yavligul@fhda.edu on the day the assignment is due or before, and request to use one of your no questions asked passes.** You will be granted a 3 day extension and can earn up to full credit on the late assignment, provided you turn it in 3 days after the assignment was due.

Mathematical Autobiography:

Please refer to your Canvas for the details.

Exams:

- 2 Midterm Exams will be given.
- Exam dates and coverage can be found on your Canvas Calendar.

Final Exam: Final Exam will be held on Wednesday, June 24.

- Comprehensive 2 hour final exam.
- Refer to your Canvas for the details.

- Dropping:**
- If you want to drop the class, do so according to the procedure listed in the schedule of classes. Failure to do so may result in a grade of F for the course.
 - Make sure you pay attention to College dates like the last day to drop a course with No Record, the last day to request a P/NP for a course, and the last day to withdraw from a course.
 - See the Schedule of Classes for these dates on De Anza Website.

Strategies for Success: **This is an online learning class, therefore your learning will be facilitated by the material that I will be providing through scheduled Zoom class sessions on Thursdays between 1:30pm-3:45pm, Canvas (LMS), and Online Adaptive Learning and Homework System**

- It is essential that you keep up on the material and work to be done by setting aside at least 10 hours per week.
- Start the homework long before it is due so that when you have any questions or technical trouble you will have enough time to sort it through.
- Read the textbook.
- Form study groups.

Tutorial Help: Refer to “Office Hours and Tutoring” under the Course Orientation Module of your Canvas.

Academic Integrity: Academic dishonesty will not be tolerated. Students are expected to do their own work on quizzes and exams. Students may work together on homework and group work. Cheating would also involve sharing your group work with another group so that they can copy; in this case, both groups will have cheated and earn a zero on the group work. If a student is found cheating and/or copying on any assignment, test or quiz or violating any other code of academic integrity, he or she will receive a 0 on the assignment and will be reported to college authorities.

Zoom Etiquette: Refer to “Zoom Etiquette” under the Course Orientation Module of your Canvas.

Resource Center for Undocumented Students - HEFAS (Higher Education for AB 540 Students) provides free services, reduces financial stress and creates a safe space for all with an emphasis on undocumented and AB 540 students. They are dedicated to building leaders, promoting social justice, and giving students tools to reach higher education regardless of the barriers that may exist. HEFAS provides free services like books and testing materials and connects students to on and off campus resources including tutoring, counseling and legal aid. More information is on their webpage <https://www.deanza.edu/hefas>.

Resources for daily essentials like food, housing, and transportation De Anza is here to support students with whatever struggles you may have. Please visit [here](#) to see the many supports we offer students.

Expectations and How to be successful in the course:

As a student of an online learning class, be self-directed, manage your time efficiently, and assume greater responsibility for your own learning.

- Do all the assigned homework long before it is due focusing more on the ones you struggle with.
- Participate Q&A discussions on Canvas.
- Do not wait until you are drowning to ask for help.
- Attend my zoom office hours or make an appointment with me at a different time, or send me an email with your questions.
- Follow the Zoom Etiquette
- Ask for help with anything you don't completely understand, even if you got the right answer.
- De Anza College has several resources and accommodations for student success, get to know them and make use of the services, they are all for you.
- Have fun.
- Ask questions, asking questions is a crucial part of learning process.
- Pay attention.
- Stay focused.
- Get frustrated, and then un-frustrated.
- Discuss problems with your classmates, get into study groups.
- Have more fun!

Changes

Information in this syllabus may be changed during the quarter, but you will be informed in advance via email and Canvas notifications. Please c

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.