

Elementary Mathematics I

Math 125 Course Syllabus

Cuyamaca College

"Embrace others for their differences, for that makes you whole." Star Wars: The Clone Wars.

Welcome!

Greetings From Your Instructor

I'm Shelly Ruderman and I will be your instructor for Elementary Mathematics I this semester. I believe we all have the capacity to succeed in this class, and that we can tap into that capacity as a family of teachers and learners who are responsible for each other's success. As your teacher and a fellow learner, I am grateful for the opportunity to work with you to demystify math and to be part of your journey toward achieving your educational goals. Through our good hard work and sustained effort, we can all be successful and reap the rewards of education's promise.



About This Syllabus

This syllabus is designed to be mobile-friendly. It can be easily accessed from your smartphone. I encourage you to bookmark it on your phone so it's easy to find and reference when you need it.

Class Meets

Tuesdays and Thursdays On TechConnectZoom on Canvas

6:30pm-8:20pm

Contact Me

MY PREFERRED METHOD

Email: Shelly.Ruderman@gcccd.edu

or message me through Canvas

If you contact me Monday-Friday, I will respond within 24 hours, usually sooner.

Student Hours:

Tuesdays ... 5:00 to 6:00 pm

Or by Appointment

Pronouns: she, her, hers

Answers to: Shelly, Mrs. Shelly, Professor, Teacher, Instructor



Required Material

1. *Reconceptualizing Mathematics* by Sowder, Sowder, Nickerson 3rd Edition.
2. Scientific Calculator – We will use the [Desmos](#) calculator that is free. You can download the app on your phone or use it on your computer. Do not use the calculator on your phone.
3. Notebook paper, pencils, erasers, highlighters and colored pencils/pens.

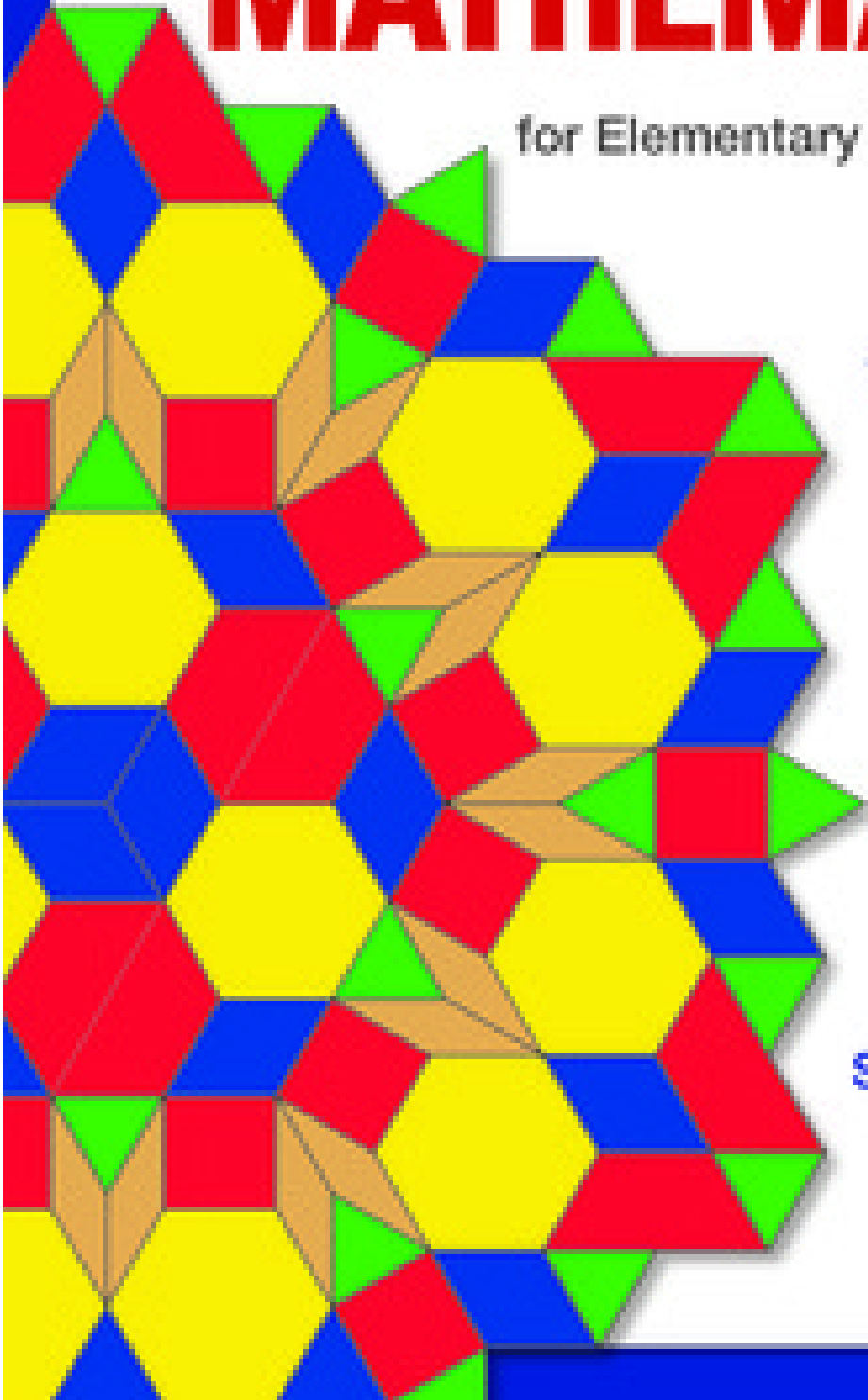


Reconceptualizing **MATHEMATICS**

for Elementary School Teachers

THIRD EDITION

**Judith Sowder
Larry Sowder
Susan Nickerson**



A COVID-19 Semester ...

Given the “new normal” we are all trying to get used to online learning during a global pandemic. I’d like to share the following principles for our class this semester.

1. Nobody signed up for this

- Not for the sickness, not for the social distancing, not for the sudden change to our school experience.
- Not for remote learning, not for teaching remotely, not for learning from home, not for mastering new technologies, not for varied access to learning materials.

2. The humane option is the best option

- We are going to prioritize supporting each other as humans.
- We are going to prioritize simple solutions that make sense for the most.
- We are going to prioritize sharing resources and communicating clearly

3. We will remain flexible and adjust to the situation.

- Nobody knows where this is going and what we’ll need to adapt next.
- Everybody (me included) needs support and understanding in this unprecedented moment.

(Principles borrowed and adapted from Chapel Hill University)

Grading

Attendance and Late Work

Course Description and SLOs (Goals)

Class Schedule

Need assistance? You can email me at Shelly.Ruderman@gcccd.edu or through Canvas Inbox



Grading



My grading practice

Course grades are an attempt to measure what you have learned this semester related to our key learning goals. Learning is a process that involves collaboration, struggle, and mistakes that culminates in a performance; therefore, some of the grade is based on low-stakes opportunities that value teamwork, communication, and risk-taking. Other parts of the grade are based on formal assessments of your achievement of the learning goals for the course.

How Grades Will Be Weighted

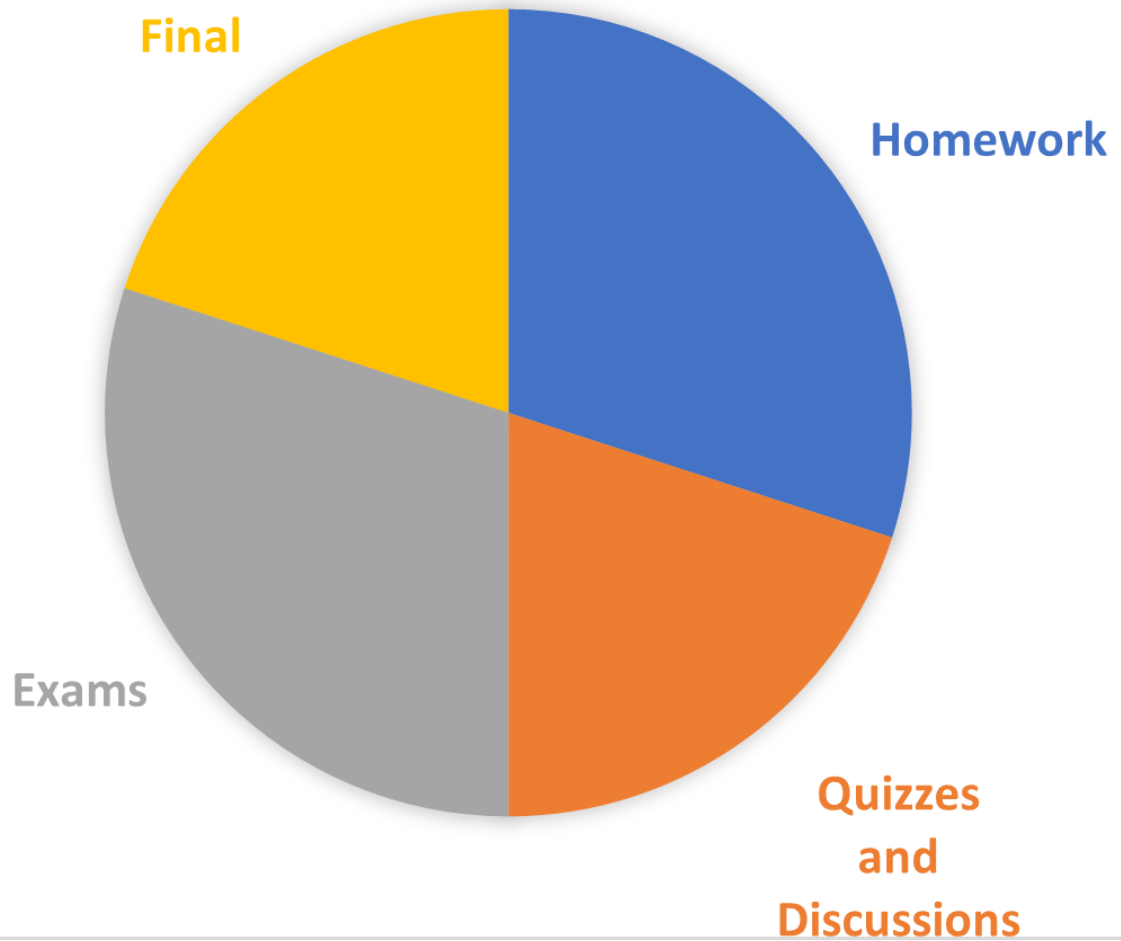
- Homework: 30%
- Quizzes & Discussions: 20%
- Exams: 30%
- Final Checkpoint: 20%

The grading scale will be as follows:

- 90% and above = A
- 87-89.9% = B+
- 80-86.9% = B
- 77-79.9% = C+
- 70-76.9% = C
- 60-69.% = D
- below 60% = F



GRADES



To earn a C or better in the class a student must earn an overall grade of C or better AND an average of a C or better on all Unit Checkpoints & the Final Checkpoint.





Grades~ Not always a Slam Dunk

I know that getting good grades can sometimes be stressful. To help reduce that stress and improve the likelihood of getting your best grades, allow yourself the time and space you need to do your best work. Don't procrastinate, and if you get stuck on an assignment, reach out to me or one of your peers. I welcome your questions and I'm happy to help you think through your ideas so you can successfully complete an assignment. You know how to reach me, right?

Need assistance? You can email me at Shelly.Ruderman@gcccd.edu or through Canvas Inbox



Attendance and Late Work

Hate-Free Zone

In our Zoom/online classroom, each student should feel free to express their own opinion and ideas in a respectful manner. Students should be open to listen to and appreciate differences in opinions, life experience, worldviews, values/beliefs, etc. **Our class is a hate-free zone.** Please be mindful of how you communicate your values, beliefs, ideas, opinions, etc. While we will often disagree with other people, it does not give anyone the right to intentionally hurt others with words or to discriminate against them.

Words matter. This is especially important in a remote or virtual environment so take a moment to think about what you want to say or post in the chat/discussion board.

Attendance

In this class we function as a team – teaching and learning together in small groups that are frequently reorganized from one module to the next. As a result, throughout the semester you'll become increasingly vested in the success or failure of your classmates and vice versa.

Less than full participation in this course is extremely disruptive to the learning environment, so I reserve the right to drop you if:

1. You do not show up the first week to the Zoom sessions.
2. You do not show up for four total Zoom sessions, you have not done any work for class, AND you do not email me about your absence.

However, if you quit participating in this class, you should not assume that I would drop you. Should you choose to drop, ultimately it is your responsibility to officially withdraw.



Attendance on Zoom

We will meet every Tuesday and Thursday, 6:30 - 8:20 pm

However, I understand things will come up and there will be times you cannot attend. As a result, if you cannot attend our meeting one day, please talk with me about this (email, chat, message). Any work we do in class, you will be able to make up by doing the work on your own and submitting via Canvas.

We are all in this together and I am here to help you achieve your educational dreams!

Late Work

The need to turn in late work occurs for a variety of reasons. The important thing is to talk to me about it so that I can support you. If you know that you are going to be absent or an emergency arises, please let me know as soon as you can, and we will make arrangements for you to turn in an assignment early or make it up on a different day.

Homework will be due every week. The best learning experience is one in which you keep pace with the posted due dates on Canvas. Keeping pace helps you to digest the material with deeper understanding. If you are not keeping up with the class, I will contact you to see how I can support you in this effort.


With the understanding that keeping up with the work is what is best going to support your learning, I understand that life happens and sometimes it is not possible to get something done by the due date. Don't be worried if you miss something. I've built in these safeguards so that if you do miss something, your overall grade will not be harmed.

Grade-saving safeguards:

- Lowest scores from several grading categories will be dropped so that if you unexpectedly miss a deadline or two due to illness or personal reasons, your grade will not be harmed.
- You will receive full credit for all of your homework assignments that are completed by the Exam for those sections. Any done after this, you will receive half credit for. Overall, it isn't a good idea for you (or me) to do all of these later in the semester, this is meant so that you can make up missing assignments.

Some assignments do not have flexibility because they involve communication with your classmates. The following assignment must be completed in real-time and cannot be made up after the due date. If you miss one, don't worry, your lowest scores will be dropped so your grade will not be harmed.

Strict Due Dates:

- Discussion boards require a "back and forth" conversation between participants. It is important that all students post by a certain time to allow classmates time to read and respond to posts. For this reason, discussion boards have strict, inflexible due dates. Your initial post to the discussion board prompt should be submitted by the due date on Canvas. After the due date, you will have a few days where the discussion board will remain unlocked for you to read and reply to your classmates (specific dates will be provided on Canvas, so you know exactly how many days you have to read and reply). If you do not meet the initial post due date, you have these few days to post but will earn a late penalty. Once  deadline for replies is due, the discussion boards will lock, and you will no longer be able to post or reply for credit.

- **Quizzes** are something that are done either in class or on Connect Math. Because I will often use them to assess how well everyone in class is understanding the material, they cannot be made up or done after the due date.

Re-dos and Corrections Policy

It's not about being perfect when you're learning. We make mistakes and fix mistakes, which is an important part of the learning process. In this class, you will have opportunities to re-do or make corrections to some assignments. If your initial attempt is on time and you are asked to make corrections to an assignment, late penalties do not apply.

Assignments you can re-do/make corrections:

- **Homework:** You will have an unlimited number of attempts for each of these homework assignments. And while they each have a due date, this is only to keep you on track. **If you need more time, please email me and no questions asked, you will be given more time.**
- **Quizzes:** These are graded in canvas.
- **Exams:** These will have a due date, but you can resubmit these until you earn the grade you hope to earn.

Campus Code of Conduct

Cuyamaca College students are bound by the Student Code of Conduct. In this course, cheating, plagiarism, fraud and/or lying may result in a grade of "F" for the assignment/test with no make-up work permitted. Any of these infractions may also result in formal disciplinary action by the Dean of Student Affairs as described in the [Student Code of Conduct](#).

Online Etiquette

Often referred to as "netiquette," here is a gentle reminder of the interaction practices and rules we'll follow in all our interactions in this course.

If you ever feel that someone is not following these rules, please send an email to me using the Canvas Inbox and describe your concerns.

[View a text-only version of The Core Rules of Netiquette in a new window.](#)



Don't forget. I'm here to help, too. I'm not an expert on everything, but I can help you find someone who is.

Need assistance? You can email me at Shelly.Ruderman@gcccd.edu or through Canvas Inbox



Course Description and SLOs

Goals

Math 125 Course Description

3 hours lecture, 3 units

In blending the mathematical topics of sets, whole numbers, numeration, number theory, integers, rational and irrational numbers, measurement, relations, functions and logic, the course will investigate the interrelationships of these topics using a problem-solving approach and appropriate use of technology.

Math 125 Student Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Analyze the concept, structure, algorithms and properties of the whole, rational, and real number systems
2. Develop and reinforce conceptual understanding of mathematical topics through the use of patterns, problem solving, communication, connections, modeling, reasoning, and representation



Need assistance? You can email me at Shelly.Ruderman@gcccd.edu or through Canvas Inbox



Class Schedule



Week 1 (August 23, 25) - Welcome & Section 1-1, Section 1-2 and 1-3

Week 2 (August 30, September 1) - Section 1-4, Quiz #1, Section 2-1 and 2-2

Week 3 (Sept. 6, Sept 8) - Section 2-3 and 2-4, Quiz #2

Week 4 (Sept. 13, Sept 15) - Section 2-4, Review, Exam #1

Week 5 (Sept 20, Sept 22) - Section 3-1 and Section 3-2

Week 6 (Sept 27, Sept 29) - Section 3-3, Section 3-4, and Section 3-5, Quiz #3

Week 7 (October 4, October 6) - Section 3-6, Section 4-1, and Section 5-1, Quiz #4

Week 8 (Oct 11, Oct 13) - Section 5-1, Section 5-2, and Section 5-3, Quiz #5

Week 9 (Oct 18, Oct 20) - Section 5-3, Section 5-4, Review

Week 10 (Oct 25, Oct 27) - Exam 2, Section 6-1

Week 11 (Nov 1, Nov 3) - Section 6-2, and Section 6-3

Week 12 (Nov 8, Nov 10) - Section 6-4, and Section 7-1, Quiz #6

Week 13 (Nov 15, Nov 17) - Section 7-1 and Section 7-2, Quiz #7

Week 14 (Nov 22, Thanksgiving Break) - Section 7-2 and Section 7-3

Week 15 (Nov 29, Dec 1) - Section 8-1, Section 9-1 and Section 9-2

Week 16 (Dec. 6, Dec 8) - Review, Exam 3, and more Review for Final

Finals Week (Tuesday Dec 13) - Final Exam Due

Please note this schedule could change, but be kept up to date during the semester

Need assistance? You can email me at Shelly.Ruderman@gcccd.edu or through Canvas Inbox

