Instructor : Aaron Montgomery
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Office Hours : and by appt.
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Text : *Basic Algebra I,* by Jacobson
Web : webwork.math.cwu.edu/~montgomery/153/463

Senior Sequences

This is a senior sequence in the Mathematics Major. You will need to receive a C or better for this course to count toward your graduation and you will need to complete all three quarters of the sequence for the sequence to count toward your graduation. If you do not complete the entire sequence, you can use the courses in the sequence that you did complete (with a grade of C or above) as electives.

As a senior sequence, this course is intended to prepare you for work in mathematics after graduation. While many of your previous courses may have centered on using mathematical results, the core of mathematics is the concept of proof and this course will require you to be able to construct well written proofs. This means that the bulk of the homework and tests will be problems will begin with the words "Prove that" and the correct answer will need to be a correct proof. These types of problems have historically caused students a great deal of trouble. I will try to ease you into the process, but expect that many of you will struggle over the course of the quarter.

I intend to cover roughly the first chapter (Chapter 1) of the text during the Fall quarter. We should be able to complete the next chapter (Chapter 2) during Winter quarter. We will spend Spring quarter covering additional topics from Chapters 3 and 4.

Grading

- Weekly homework problems will be provided as handouts (although many problems are based on problems from the text). Each homework problem or subproblem will be worth the same number of points. Homework is due on Fridays, on Monday after the homework is due, I will return your homework and post hints for the homework. You will have one week to make corrections and earn back up to one-half of the points on the problems you missed. Exact deadlines are on the website.

- There will be two exams during the course. Exams will include an in-class component and may include a take-home component. Each exam will count for 25% of your grade.

This amounts to 100% of the total points. Your final grade will depend on the percentage of points you earn:

			$\geqslant 93\%$	A		$\geqslant 90\%$	A-
$\geqslant 87\%$	B+		$\geqslant 83\%$	B		$\geqslant 80\%$	B-
$\geqslant 77\%$	C+		$\geqslant 73\%$	C		$\geqslant 70\%$	C-
$\geqslant 67\%$	D+		$\geqslant 63\%$	D		$\geqslant 60\%$	D-

Accommodations

Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their "Confirmation of Eligibility for Academic Adjustments" from the Disability Services Office as soon as possible so we can discuss how the approved adjustments will be implemented in this class. Students without this form should contact the Center for Disability Services, Ellensburg and Eastside University Centers at `cdsrecept@cwu.edu` or 509-963-2171.