Instructor : Aaron Montgomery
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Office Hours : by appt.
Email : montgoaa@cwu.edu
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Text : *A first course in algebraic topology,* by C. Kosniowski
Web : webwork.math.cwu.edu/~montgomery/143/453

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 11 chapters of the text during the Fall quarter. We should be able to complete the next 15 chapters during Winter quarter. We will spend Spring quarter covering additional topics (including knot theory).

Grading

- A stream of homework problems will be provided during the quarter. Some will come from the textbook and others will be provided as handouts. Each homework problem will be worth the same number of points. Your homework score will count for 50% of your final grade.

- There will be two exams during the course. Exams will include both an in-class component and a take-home component. One will be due at approximately the middle of the term and the other one will be due at the end of the term. Each mid-term 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:

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