

Office: JWB 321

E-mail: preszler@math.utah.edu

Website: <http://www.math.utah.edu/~preszler/teaching/>

Phone: 801-585-6845

Office Hours: My office hour for this term is tentatively:

Monday: 2:00-3:00 pm Wednesday: 12:00 - 1:00, 2:00-3:00pm

If you are unable to use the above time, you may make an appointment to see me. I will generally be available before and after class on MWF as well.

Text: *Foundations of Analysis*, notes by Joe Taylor at
<http://www.math.utah.edu/~taylor/foundations.html>.

Additional Resources and Information:

Tutoring: Math Tutoring Center (under the plaza between LCB and JWB), hours: 8:00 am - 8:00 pm Monday through Thursday and 8:00 am - 6:00 pm on Fridays starting the second week of classes. There is also a computer lab here with L^AT_EX that you have access to.

<http://www.math.utah.edu/ugrad/tutoring.html>

Math Library: 1st floor JWB (N side of President's Circle)

Calculators: Calculators are **NOT** allowed, nor needed, in this course.

Prerequisites/Course Content: Math 3210, 2270, 2200 are the prerequisites for Math 3220. This assumes knowledge of proof-based Calculus in one variable, linear algebra, and basic knowledge of proofs.

Math 3220 will cover chapters 7-11 of Prof. Taylor's notes. Time permitting we may cover additional topics.

Homework: All assignments and due dates will be posted on the course website <http://www.math.utah.edu/~>
No late work will be accepted.

Homework will consist of problems from the course texts as well as supplemental problems that I will provide. Homework must be turned in by the **beginning** of class on the due date and late work will be given a zero. I expect homework to be written neatly, multiple pages should be stapled together, and there should be no spiral frill. I reserve the right to deduct points for sloppy, difficult to read homework even if the solutions are correct. From each assignment, one problem must be designated as a "writing homework" described below.

There will also be *writing homework assignments* in addition to the regular problems. These must be turned in at the **beginning** of class on the stated due date (or before). These problems must be typed and are intended to help develop your proof writing abilities. These problems should be typed up as stand alone "theorems" written in a clear, professional manor that could be read and understood by your peers. I strongly encourage the use of L^AT_EX for these assignments. Written homework problems will be grade on a 10 point scale, a score of less then 7 is considered incorrect

and must be redone by the student within 1 week. In such an event, the previous submission must accompany the new submission.

Exams You will have two (2) exams throughout the year and a comprehensive final exam (not one of the other 2). The structure and topics of each exam will be discussed prior to the examination date, but they will be held in class. There will be **no makeup exams** and alternate dates will only be arranged for participants in University sponsored activities that prevent those students from being in class, students with disabilities falling under the ADA, or victims of extraordinary circumstances beyond their control. Such students should inform me of the conflict ASAP (athletes and those with disabilities should inform me early in the semester).

Exam Dates: The dates of the exams are:

- Exam 1: Wednesday, June 17 (in class)
- Exam 2: Wednesday, July 22 (in class)
- Final: Thursday, Aug. 6 at 10:00 AM- 12:00 PM

Course Grade: The grading for this class is:

- Homework - 20 %
- Writing Homework - 15 %
- Exams - 20% each (see dates, in class) - 40 %
- Final (Thurs. Aug. 6, 10:00-12:00) - 25 %

Nondiscrimination and Disability Access Statement: The University of Utah is fully committed to policies of nondiscrimination and equal opportunity, and vigorously pursues affirmative action in all programs, activities, and employment with regard to race, color, national origin, sex, age, and status as a person with a disability. Religion, sexual orientation, and status as a disabled veteran or veteran of the Vietnam era also are protected under nondiscrimination and equal opportunity employment policies. The University seeks to provide equal access to its programs, services and activities for people with disabilities. Reasonable prior notice is needed to arrange accommodations. Students should call 801-581-5020 or 801-585-1813 (both are TDD). Evidence of practices not consistent with these policies should be reported to the Employee Relations/Dispute Resolution Office, 801-581-8365 (voice or TDD). If you require special accommodations under the ADA please inform me through official channels early in the semester.

Disclaimer: This syllabus has been created as a guide to the class and is as accurate as possible. However, all information is subject to change as class needs change. Any changes will be discussed during class sessions and documented in writing. A current syllabus will be posted on my website for the course.

Academic Integrity: Plagiarism, cheating and other forms of academic integrity violations are serious matters and will be dealt with according to University policies. Such violations could result in a grade of (E) for the course or dismissal from the University. If you have questions or concerns about what constitutes plagiarism or if you have properly cited external material, please come talk to me.