Math 230A – Real Analysis
Fall 2018

Instructor: Dr. Corey Shanbrom
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Office: Brighton 125
Office Hours: Mon 2-3pm, Weds 11:30am-12:30pm, Thurs 11am-12pm, or by appointment. We may also have bonus problem solving sessions TBA.
Lectures: MW 4-5:15pm, MND 4005

Prerequisites: Math 130B, or equivalent.

Text: Principles of Mathematical Analysis, by Walter Rudin, 3rd ed. You should expect to spend large amounts of time reading this book slowly and carefully, while taking notes, working computations, and recording questions. We will cover Chapters 1-4.

Grading: Two midterms worth 25% each and one final worth 50%. Letter grades will be determined by a curve at the instructor's discretion.

Exams: Midterm dates will be announced at least one week in advance. The comprehensive final exam will be held Wednesday, December 12, 3-5pm. Make-up exams allowed only with prior permission or in case of documented emergency. No notes, books, electronic devices, or bathroom breaks will be permitted during any exam.

Homework: Homework will typically be assigned, collected, and returned weekly. The purpose is for you to receive feedback on your writing and solutions. Not all assigned problems will receive feedback. Working with classmates is encouraged, but you should write up your own solutions. Typesetting your homework in LaTeX is also encouraged.

      While homework will not affect your course grade, working these problems is the best way for you to prepare for the course exams, and eventually, the comprehensive exams. It also helps me communicate my values and expectations.

Catalog Description: Metric topology; the theory of the derivative; measure theory.

Remarks: If you have a disability and require accommodations, you need to provide disability documentation to SSWD, Lassen Hall 1008, and discuss your needs with me as soon as possible.

      Cheating of any type will result in disciplinary action and an automatic fail. If you are unsure what constitutes cheating, please see Sac State's Academic Honesty Policy; I have provided a link on SacCT.

This syllabus is subject to change.