Math 8100 - Real Analysis I - Fall 2018

Instructor: Neil Lyall
Office: Boyd 602A
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Office hours: TBA and by appointment.
Lectures: MWF 11:15-12:05, Boyd 302.

Course web page:

alpha.math.uga.edu/∼lyall/8100Fall2018

Principal Textbook:

Real Analysis, by E. M. Stein and R. Shakarchi

Secondary References:

Real Analysis, by G. B. Folland

An introduction to measure theory, by Terrence Tao

Real and Complex Analysis, by W. Rudin

For additional references and supplementary notes, see the course webpage.

Homework: Homework will be assigned regularly. I anticipate that there will be at least 10 assignments over the course of the semester. No late homework will be accepted.

While I *strongly* encourage you to collaborate on homework problems with your classmates (and discuss them with me), your final written work should always be entirely your own: *even if your solution to a given problem was the product of a collaborative effort, your writeup should be unique to you.*

Exams: I anticipate that there will be TWO in-class "midterm" exams and (of course) a final exam.

Exam 1: TBA
Exam 2: TBA
Final Exam: Monday 10th of December 8:00-11:00

Grading scheme: Your final grade will be computed as follows:

Homework: 30% Tests: 30% (each midterm weighted equally) Final exam: 40%

For full credit, full work must always be shown. Any absence on a test day will result in a score of 0. It will be possible to make up for a missed test only if documented justification for the absence is provided.

Attendance policy: The official attendance policy of the university states:

> *Students are expected to attend classes regularly. A student who incurs an excessive number of absences may be withdrawn from a class at the discretion of the professor.*

In this class, we interpret 'excessive' to mean four or more unexcused absences.

Academic Honesty: All students are responsible for maintaining the highest standards of honesty and integrity in every phase of their academic careers. The penalties for academic dishonesty are severe and ignorance is not an acceptable defense. See www.uga.edu/honesty.

Disclaimer: This information sheet is intended only as a guide, and is subject to change. For the most accurate information please consult the class webpage:

alpha.math.uga.edu/∼lyall/8100Fall2018