

# Math 381c

## Fall 2014 Section 55980

**Instructor:** Lewis Bowen

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**Textbook:** R.L. Wheeden, A. Zygmund, Measure and Integral, Taylor, NY 1977. I recommend getting an alternative text (such as Royden's Analysis or Rudin's Analysis or Frank Jones' Lebesgue Integration on Euclidean Spaces) just to get one more perspective on the material.

**Grading policy:** There will be two in-class midterm exams and a final exam. The highest midterm grade, and the grade on the final contribute 45% each to the class grade. Homework makes up the remaining 10%.

**Exam Schedule:**

| Exam1        | Exam2         | Final           |
|--------------|---------------|-----------------|
| Oct 3 Friday | Oct 31 Friday | Dec 13 Saturday |

**Exams:** The exams will be given during the regular class time. Final will be held on Saturday December 13 from 7-10pm (I didn't decide this!).

**Homework:** Homeworks will be due every week (with a few exceptions) at the start of class on the due date. Please, no late homeworks. The lowest 3 homework grades will be dropped automatically.

**Homework sessions:** Every so often, I plan to schedule an extra hour during the week for us to meet so you can explain your solutions to homework problems. This is important: however you plan to use your knowledge it's very important to be able to communicate effectively; a lot of what a professional mathematician does is explaining stuff to other people.

**Tips:** When reading the book, it's a good idea to pause before reading a proof and ask yourself what you would do to prove the statement. If time permits, try to prove the result before reading its solution. If you don't know where to start on a homework problem, it's a good idea to make a list of 'things to try' and a list of 'possibly relevant facts' and see if you can find connections. Of course, you can also get help from myself, the TA or your fellow students.

**Make-up Policy:** There are no make-ups for homework for **ANY** reason. If you have a valid reason (medical or family emergency) for missing an exam, then I will give you an alternative exam, preferably *before* the scheduled exam. Missing an exam without a valid reason will result in a score of zero for that exam. To be excused you must notify me (acknowledged email or written) prior to date of absence if such notification is feasible.

**Documented Disability Statement:** Any student with a documented disability who requires academic accommodations should contact Services for Students with Disabilities (SSD) at (512) 471-6259 (voice) or 1-866-329-3986 (video phone). Faculty are not required to provide accommodations without an official accommodation letter from SSD.

**Religious Holy Days:** By UT Austin policy, you must notify me of your pending absence at least fourteen days prior to the date of observance of a religious holy day. If you must miss a class, an examination, a work assignment, or a project in order to observe a religious holy day, I will give you an opportunity to complete the missed work within a reasonable time after the absence.

**Copyright policy:** The handouts used in this course are copyrighted. By "handouts," I mean all materials generated for this class, which include but are not limited to syllabi, quizzes, exams, in-class materials, review sheets, and additional problems sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless I expressly grant permission.

**University of Texas Honor Code:** The core values of The University of Texas at Austin are learning, discovery, freedom, leadership, individual opportunity, and responsibility. Each member

of the university is expected to uphold these values through integrity, honesty, trust, fairness, and respect toward peers and community.

**Note:** The instructor reserves the right to make any changes he considers academically advisable. It is your responsibility to attend classes and keep track of the proceedings.