

# Real Analysis II – Spring 2008

**Instructor:** Allen Holder

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**Office Hours:** Scheduled office hours are MW 9:30 - 11:10, 12:30 - 3:00 (may take short lunch break) and F 9:30 - 11:10. If these times are inconvenient, let me know and a more appropriate time will be arranged. I will likely be in my office most days until about 3:00, please stop by if there are questions.

**Drop-Add:** The add/drop period is from 1/15 through 1/24. The last day a student can be withdrawn and receive a W is 3/28.

**Text:** *Real Analysis*, by H. L. Royden, 3rd edition.

**Prerequisites:** Analysis I.

**Due Dates:** All homework and test dates will be posted on the web page and announced in class.

**Homework:** You are expected to attempt the beginning homework excursions at the end of each section. These will help prepare you for the two exams.

**Grade:** There are two take home exams, each worth 100 points. See the course schedule for the target dates of these tests. Grades are weighted toward complete, well-presented solutions. It is better to do less work and show command and pride than it is to partially attempt many problems. The class grade is calculated as follows,

$$\text{Course Grade} = \frac{\text{Test1} + \text{Test2}}{200}.$$

The grading scale is

Range	Score	Range	Score	Range	Score
100-86	A	85-80	A-		
79-75	B+	74-65	B	64-60	B-
59-55	C+	54-45	C	44-40	C-
39-35	D+	34-20	D		
19-0	F				

Grades are **not** necessarily rounded.

**Expectations:** The pace of the course will be dictated by a thorough coverage of Lebesgue integration. I expect each student to spend enough time to master the material, and you should expect to routinely spend up to **six** hours a week outside of class. I am hoping to cover chapters 3-6 and 11-14. Responsibility for missed classes is expected. Roll is not taken.

**Academic Integrity:** All students are under the Honor Code and are required to pledge all written work that is submitted for a grade: “On my honor, I have neither given nor received any unauthorized assistance on this work” and their signature. The pledge may be abbreviated “pledged” with a signature.

No assistance of any kind is allowed on exams, except for resources stated on the exam. I encourage cooperation on homework and expect the Honor Code Pledge to indicate that you made a good-faith effort to complete the assignment. Please feel free to use any resource on homework.

**Cell Phones:** Please make sure that cell phones and pagers are turned off during class. If your cell phone disrupts class, then you are expected to bring something sweet for the entire class at the next meeting.

**Spelling:** My spelling is horrible. If anything on the board is unclear, please stop and ask what is meant. This usually provides for some entertainment.