

The course will cover much of the material in Chapters 5 and 6 of my book, Real Mathematical Analysis. It is the second edition, with the citation "corrected at 2nd printing, 2017," appearing on the fourth printed page, second line of the fifth paragraph. It's important that you have the right text.

I expect you to spend most of your time on the homework. Collaboration among students is fine with me, but each student should write up his or her homework independently. You should read ahead in the text. It will help you follow the lectures, and also help you avoid embarrassment if I ask you a simple question in class, such as "What is a zero set?" For some homework problems you will need to read the math before I lecture on it. The homework is due Thursdays.

January 23	Chapter 5 #3, 4, 6.
January 30	Chapter 5 #12, 13, 15-19, 24, 25.
February 6	Chapter 5 #30-32, 37, 39, 43.
February 13	Chapter 5 #55-60, 65, 67, 68.
February 20	Chapter 5 #71.
February 27	Midterm exam. There will be no make-up exam.
March 5	Chapter 6 #1, 3-5, 7, 9.
March 12	Chapter 6 #16, 17, 19.
March 19	Chapter 6 #21-25.
April 2	Chapter 6 #29-31, 33-38.
April 9	Chapter 6 #43, 46, 48, 50, 52.
April 16	Chapter 6 #53, 55-57, 60-62.
April 23	Chapter 6 #66, 70, 71, 76-80.
April 30	Chapter 6 #81, 84, 87, 88, 92.
May 14	Final Exam, 8am - 11am. It will be cumulative.

Grading scheme -- 25% for the homework, 25% for the midterm, and 50% for the final exam.

My formal office hours will be Tuesday afternoons after I finish lunch, about 1:30, in Room 807 Evans. The first week I'll also be available Wednesday afternoon.