

Math 5310. Fall 2014. Information about the first midterm.

The first midterm will be given in class on Thursday, October 9th, in class. It will cover the material covered in Lectures 1-11 in class (up to and including Sep 30 lecture), Homeworks 1-5 and Chapters 1,2 and Sections 3.1-3.3, 4.1-4.4 from Rudin. You do not need to worry about topics which were not discussed in class or homework (e.g. perfect sets).

As part of preparation for the midterm, you should go over class notes and homework assignments (make sure to read solutions to the problems that you missed and ask me questions if the argument is not clear) in conjunction with reading the book again. It will be very helpful to know all the main definitions and theorems off the top of your head by the time of the exam – if you do, you will have much more time to think about the actual problems. I do not expect that you will remember all the proofs from class, but you should know and understand the main ideas/techniques from those proofs.

Additional practice problems from Rudin: 2.5, 2.6, 2.7, 2.13, 2.14, 3.21, 4.2, 4.3, 4.8