

Math 540 B1, Real Analysis, Spring 2021

MWF 10:00 – 10:50, Online Course

M. Burak Erdogan

Contact Info: E-mail: [berdogan@illinois.edu](mailto:berdogan@illinois.edu)  
Webpage: <https://faculty.math.illinois.edu/~berdogan/>

Textbook: G. B. Folland, Real Analysis, John Wiley & Sons.

Course Syllabus: This is an introductory course on measure theory. For syllabus see:  
<https://math.illinois.edu/resources/department-resources/syllabus-math-540>

Course Webpage: I will maintain a course webpage in Compass 2g. Homework assignments, reading assignments, lecture log, lecture notes, exams, and grades will be posted there. In addition, there will be a piazza discussion page for the course.

Lecture videos and zoom meetings: We will have zoom meetings during the class time, MWF 10–10:50am. Before Monday and Wednesday lectures, I will post lecture notes for the meeting. During the meeting I will go through the lecture notes providing additional explanations and answering your questions on the lecture notes. Since I won't spend time with writing on a board, 2 lectures are enough to cover the material for the week. The Friday meeting will be like an office hour, I will answer your questions on the homework problems or the course material. I will also post the video recording of Monday and Wednesday lectures on compass. I will send the info for the zoom meetings by email and post it on compass. There won't be additional office hours but I will regularly respond to questions on piazza.

Homework Assignments: I will post assignments on compass every Friday, and you are expected to upload your scanned solutions to compass before 11pm on following Friday. I will drop the worst two homework grades. **Absolutely no late assignments.** You are encouraged to discuss the homework problems with each other but should write the solutions by yourself in your own words.

Exams: There will be a 2 hours midterm exam and a 3 hours final exam. Dates and times to be determined later. Like the homework assignments, the exams will be posted on compass and you are expected to upload your scanned solutions to compass before the deadline. You will have additional time to deal with technical problems; downloading, scanning, and uploading.

Grading: Weekly homework assignments (25%), a midterm exam (30%), and a final (45%). Please do not request an alteration for yourself in these percentages. **No make-up exams.**

The letter grades will be assigned according to the scale:

87 – 100: A-, A, A+

75 – 87: B-, B, B+

65 – 75: C-, C, C+

Below 65: D or F