

Mathematics 444 P13 (Elementary Real Analysis) Spring 2019

GENERAL INFORMATION

Instructor: Professor Aimo Hinkkanen

Office: 345 Illini Hall, phone 244-7306, e-mail: aimo@illinois.edu

Office hours: Tuesdays 2:30-3:30 pm, Thursdays 3:00-3:50 pm, or by appointment

Lectures: Tuesdays and Thursdays 11:00-12:20 in 143 Armory

Course web page: <https://faculty.math.illinois.edu/~aimo/math444.html>

Textbook: Robert G. Bartle and Donald R. Sherbert, Introduction to Real Analysis, fourth edition, Wiley, 2011.

There will be three midterm exams and a final exam. **Tentative dates of midterm exams** (subject to change):

T February 12

T March 12

Th April 11

More precise information on the dates of the midterm exams will be provided later. They will be all held during regular class time in the regular classroom.

Final exam: Wednesday, May 8, 8:00–11:00 am, in the regular classroom.

Grading: The grade for the course will be based on the **total points** from the best two **midterm exams** (the maximum score will be 100 in each test), the **final exam** (maximum score 100), and **quizzes** (points **normalized** so that the maximum score will be 100). Hence the maximum score will be 400 for the total points.

Quizzes. After the first week, there will be a **quiz at the beginning of each class** (apart from a few exceptions). In each quiz, there will typically be up to three questions, each graded either 5 or 0 points depending on whether your answer is completely correct or not. A certain number (at least three) of lowest quiz scores will be dropped. (The exact number of quizzes to be dropped depends on how many quizzes we end up having during the semester and will be announced later.) Dropping one test and a number of quizzes is intended to provide leeway for those times when a student is ill, or needs to go to a job interview, or has a family emergency, or just misses class or is late for the class for some other reason. If you miss a test or a quiz, you will get zero points for it. As this system allows you to miss one test and at least three quizzes without you giving any reason for it, **no make-up tests or quizzes will be given**. Exceptions will be considered only in the case of a **prolonged** illness indicated by a doctor's note. You are encouraged to take all tests and quizzes and do your best.

No books, notes or calculators will be allowed in the midterm exams, the quizzes, and the final exam. Bring your university ID to the midterm exams and the final exam.

Homework problems will be suggested. A list of all suggested homework problems can be found on the course web page.

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Approximate time schedule

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Dates	Sections of the textbook to be covered	
1/15,17	1.1 – 1.2	
1/22,24	1.3, 2.1	
1/29,31	2.2 – 2.3	
2/5,7	2.4 – 2.5	
2/12,14	2.5	EXAM T 2/12
2/19,21	3.2 – 3.3	
2/26,28	3.4 – 3.5	
3/5,7	4.1 – 4.2	
3/12,14	5.1	EXAM T 3/12
	3/16–24 Spring Vacation	
3/26,28	5.2 – 5.3	
4/2,4	5.4, 6.1	
4/9,11	6.2	EXAM Th 4/11
4/16,18	7.1 – 7.2	
4/23,25	7.3, 8.1	
4/30	8.2	

Note that the **dates for the midterm exams** are **tentative** (subject to change).

Final exam: Wednesday, May 8, 8:00–11:00 am, in the regular classroom.