

Math 444 (Sections B13 and B14): Elementary Real Analysis

Spring 2021

Instructor: Florin Boca

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Textbook: R.G. Bartle and D.R. Sherbert, Introduction to Real Analysis, John Wiley & Sons, Inc. (4th edition)

Prerequisites: Math 241; MATH 347 or MATH 348, or equivalent.

Course description: Careful treatment of the theoretical aspects of the calculus of functions of a real variable intended for those who do not plan to take graduate courses in Mathematics. Topics include the real number system, limits, continuity, derivatives, and the Riemann integral. 3 or 4 undergraduate hours. 3 or 4 graduate hours. Credit is not given for both MATH 444 and either Math 424 or MATH 447. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance.

[Syllabus](#)

For lecture notes, HW solutions, test scores etc. you should sign at [Compass](#)

Lectures: Zoom, MWF 9:00-9:50 am.

Office hours: Zoom, TBD.

Course materials: [Compass](#)

Technology: computer or tablet (required), pdf converter (required), webcam, speakers, microphone (required), reliable internet connection (strongly recommended), printer (strongly recommended).

Access to Zoom meetings (which will include lectures, office hours and exams) will be allowed only through your Illinois email account.

Academic integrity: [Student code](#)

Grading policy: Comprehensive final exam: 30%; Best two midterm scores (out of three tests): 40%; Homework: 30%.

Homework and quiz policy: There will be 14 HW assignments, posted on Compass in due time. Students will upload their work on Compass in the form of a single pdf form. Only six randomly selected problems in each assignment will be graded.

Only the best 12 (out of 14) scores will count towards the final score in the class. As a result HW extension will not be normally allowed.

Grader: Vivek Kaushik (vskaush2 at illinois dot edu)

Midterm exams calendar (during class time): **Midterm 1:** Feb 24, **Midterm 2:** March 26, **Midterm 3:** April 28.

Final exam: 8:00-11:00 am, Thursday May 13.

Last modified: *January 14, 2021*