

Math 444 C13/C14: Elementary real analysis

Zhao Yang

spring, 2022

Course Info

Time and location: MWF 10:00 am - 10:50 am; Altgeld 143. (First week online)

Office Hours: Zoom meeting MWF 3:30 pm to 4:30 pm, or by appointment.

Learning manage system: Moodle.

Course Description

We will use Robert and Donald's book and Houshang's book throughout the semester. Particularly, we will follow [the departmental syllabus](#) of the course.

Required Materials

- R. B. Bartle and D. R. Sherbert, Introduction to Real Analysis, 4th Edition.
- Houshang H. Sohrab, Basic real analysis. Online version available on <https://www.library.illinois.edu>. A [VPN connection](#) is needed if you access the resource outside the campus. Be sure to turn on tunnelall mode.

Prerequisites

basic calculus.

Assignments and Exams

There will be weekly homework assignments, three midterm exams, and one final exam, which count 20%, 15% \times 3, and 35% in the final grade, respectively. Exams will be based on materials taught in class and homework assignments. Schedule of the exams:

Exam	Midterm 1	Midterm 2	Midterm 3	Final
Date	Feb. 18th	Mar. 23rd	Apr. 15th	TBD

There will also be some extra-credit problems assigned during the semester. You are required to complete these problems if you register the C14 session.

Inclusive statement

This classroom is a place where you will be treated with respect. I welcome individuals of all ages, backgrounds, beliefs, ethnicities, genders, gender identities, national origins, religious affiliations, sexual orientations, abilities - and other visible or non-visible differences. All members of this class are expected to contribute to a respectful, welcoming and inclusive environment for every other member of the class. The effectiveness of this course is dependent upon the creation of an Sexual Misconduct Reporting Obligation encouraging and safe classroom environment. Exclusionary, offensive or harmful speech (such as racism, sexism, homophobia, transphobia, etc.) will not be tolerated and in some cases subject to University harassment procedures. We are all responsible for creating a positive and safe environment that allows all students equal respect and comfort. I expect each of you to help establish and maintain an environment where you and your peers can contribute without fear of ridicule or intolerant or offensive language.