

Math 521, Analysis I

Basic Information

Instructor: Sergey Denisov
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Lectures: MWF, 11:00-11:50 am, Van Vleck B135.
Office Hours: each Wednesday: in-person 2:00-3:00 pm (by appointment)
and online via Zoom in Canvas 6:30-7:30 pm (by appointment).
Text: required: *Principles of Mathematical Analysis* by W. Rudin
McGraw Hill, third edition
suggested: *Mathematical Analysis: an Introduction* by A. Browder,
A Companion to Analysis: a Second First
and *First Second Course in Analysis* by T. Korner

Exams:

There will be two in-class midterms and the final exam. The tentative dates for the midterms are October 2 and November 6. The date and time for the final exam is: December 17, 7:45 – 9:45 am, room TBA.

Assignments:

Homework problems will be posted on Canvas every Wednesday starting September 4. Typically, you will have one week to turn them in on Canvas. I expect all assignments to be written neatly and uploaded on time. You can collaborate on hw but should write solutions in your own words.

Grading:

Your final grade will be calculated as follows. For each of you, I will compute the number

$$x = 0.4 \cdot \frac{\text{your total hw}}{\text{max hw score}} + 0.3 \cdot \frac{\text{your score for the final}}{\text{max final score}} + 0.3 \cdot \frac{\text{your score for the midterms}}{\text{max midterms score}}$$

Now $x \in [0, 1]$. Your grade will be determined by the following table

$0.9 \leq x \leq 1$	A
$0.85 \leq x < 0.9$	AB
$0.75 \leq x < 0.85$	B
$0.65 \leq x < 0.75$	BC
$0.5 \leq x < 0.65$	C
$0.4 \leq x < 0.5$	D
$x < 0.4$	F

After the final this table can change BUT ONLY IN YOUR FAVOR!

Honors program: Students taking this course with Honors are expected to complete additional assignments. **Only students with a final grade of B or above can get honors credit. If the final grade is lower, then the student needs to remove the honors designation by the end of semester.**

Material:

We are planning to cover the first six chapters of Rudin's book.

General comments:

You can collaborate on your homework but the solutions should be written by you and in your own words. No calculators are allowed on exams. Any violations of these rules will be considered academic misconduct.