

Math 199 Introduction to Analysis and Linear Algebra
Section 43, Winter Quarter 2007
MWF 11:30 a.m. in E202

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Office Hours: Probably Monday 10-11 a.m. and Wednesday 5-6 p.m., or by appointment.

College Fellow: Alan Anders is a second year graduate student, who will accompany the course as a College Fellow. This means that he will grade your homework, run a weekly problem session, hold office hours, and occasionally he will give a lecture. His email is aanders@math.uchicago.edu.

Textbook: The basic text is the coursepack "*Foundations of Mathematical Analysis*" by Paul J. Sally, which can be purchased for \$20 from Stephanie Walther in 211 Eckhart Hall. We recommend *Linear Algebra Done Right* by Sheldon Axler, ISBN # 0-387-98258-2 as supplemental reading. There will be other related textbooks on reserve in the Library of the Mathematics Department in Eckhart Hall.

General Policy: There will be a one hour test in class during the quarter and a final exam at the end. Since there will be only one midterm, I might give you some take home quiz(zes) to practice. Homework will be usually assigned on Wednesday (on the Chalk Website and the Course Webpage). The homework will be due the following Wednesday. You are encouraged to work together on homework problems, but everyone has to write up the solutions independently. Please order the pages and staple them. Unreadable homework will not be corrected. No late homework.

Hour test: 30%, Final Exam: 40%, Homework: 30%

Important Dates:

Hour Test: Friday, January 26, (in class)

Final Exam: Monday, March 11, 10:30 – 12:30 a.m. in E202 **Attention, the weekend before this Monday the time is changed, so it might feel like 9:30 a.m. to you!**

It is the policy of the Department of Mathematics that the following rules apply to final exams in all undergraduate mathematics courses:

1. The final exam must occur at the time and place designated on the College Final Exam Schedule. In particular, no final examinations may be given during the tenth week of the quarter, except in the case of graduating seniors.
2. Any student who wish to depart from the scheduled final exam time for the course must receive permission from Paul Sally (his office is Ry350, his phone is 773-702-7388, his email is sally@math.uchicago.edu). Instructors are not permitted to excuse students from the scheduled time of the final exam except in cases of an Incomplete.

Some remarks concerning the Syllabus:

We will roughly discuss first Chapter 1, then Chapter 3 and then Chapter 2 of Sally's notes.

Supplementary Reading List:

Analysis: An Introduction, Richard Beals, ISBN # 0-521-60047-2

Naive Set Theory, Paul Halmos, ISBN # 0-387-90092-6

Analysis: with an Introduction to Proof, 4th Edition, Stephen R. Lay, ISBN # 0131481010

Chapter Zero, Carol Schumacher, ISBN # 0-201-82653-4.