

Calculus 16300 section 21 Spring 2009

This is the third quarter of Honors Calculus. In this class we will cover chapter 22-30 of Spivak, plus some linear algebra. The material includes infinite sequences and series such as the Taylor series of an infinitely differentiable function. We will also start using complex numbers, as that makes everything *easier*! We will also construct the real numbers, making everything we have done so far rigorous.

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Office phone: 773-702-9845

Office hours: Wednesday 3:30-4:30 and Thursday 3:30-4:30 or by appointment

Textbook:

Spivak, Calculus, third edition, plus Sally's linear algebra book.

Curriculum:

Chapter 22-30 of Spivak, plus parts of Sally's linear algebra book.

Homework (30%):

Homework will be due each Friday in class. No late homework will be accepted. You are encouraged to cooperate, but please write up your own solutions. If you are stuck, ask for a hint.

Midterm (25%):

One hour-long, in-class test will be administered on Friday May 1.

Final (45%):

The final exam will be held Monday June 8, 8-10am.

Holidays:

Memorial Day, Monday May 25.

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 wishes to depart from the scheduled final exam time for the course must receive permission from Paul Sally (office is Ry 350, phone is 2-7388, email is sally@math.uchicago.edu). Instructors are not permitted to excuse students from the scheduled time of the final exam except in the cases of an Incomplete.