

MAT 372 — ADVANCED CALCULUS II — SPRING 2005

Line No.: 42554
Time: MWF 9:40-10:30 AM **Room:** ED-226
Instructor: Jack Spielberg **Office:** PSA-747
Phone: 965-3286 (Math Department: 965-3951)
Office Hours: M 1:00 - 2:30, Th 1:30 - 3:00, and by appointment
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Text: *Advanced Calculus of Several Variables*, C.H. Edwards, Jr., Dover

Note: The information in this syllabus may be modified during the semester at the instructor's discretion. Changes will be announced in class.

Grades.

40% Weekly homework (and possibly some quizzes).
35% Two take-home midterms, weeks 6 (2/21) and 11 (4/4).
25% Final Exam, Monday, 5/9, 7:40 - 9:30 AM.

The homework problems are a hugely important part of the course. You should expect to spend a large amount of time on them every week. In particular, very few students will be able to earn much credit on an assignment worked just a day or two before it is due. You may find it useful to talk to other students about the problems, and I encourage you to work together. However, each student must write up his/her solutions in his/her own words.

Homework will be due in class on Fridays. Write **neatly** and **legibly**, write on **only one side of the paper**, print your name, and STAPLE the pages together. Many homework problems in this course are proofs, and must be written with correct English and syntax. You should make an effort to read over your proofs for intelligibility before copying them out to hand in. Assignments will ****NOT**** be announced in class, but will be posted on my webpage. You must check there regularly for updates.

Reading the text is a crucial part of the course. I will not be able to mention in class everything from the text that you will need to know. We will cover most of chapters II, III, and IV. Reading assignments will be included with the homework problems. It is your responsibility to keep reading ahead.

However unlikely it may be to miss a take-home midterm, if it happens a missed midterm exam can be made up only in the case of a documentable emergency, or because of a conflict with a university-sanctioned activity. In the latter case you must notify me well in advance, and provide me with a copy of your travel schedule and the name and phone number of the appropriate university sponsor. The Mathematics Department has an extremely strict policy regarding missed final exams. You may view this policy via a link on my webpage.

During class I welcome questions at any time. (The only exceptions are questions about the grading of your own homework or exam. Please bring these questions to me before or after class, or during office hours.) Please feel free to come by my office at any time, either for a quick question or a longer discussion. If it is not a designated office hour, and I am too busy, we can set up another time. If you want to come by when it is not a designated office hour, you may call to see if I am in. You may also send me questions by e-mail.