

Math 21b – Multivariable Calculus

Information for students, Spring 2006

This is the second half of a year-long course known as “Intermediate Calculus: Linear Algebra and Calculus of Several Variables”.

Class meets at: Goldsmith 117, MW 1–2 PM and Th 1–3 PM

Lecturer: Dmitry Kleinbock

Office: Goldsmith 207, phone 6-3059

Office Hours: Tuesday 11 AM–12 noon or 1–2 PM or by appt.

E-mail address: kleinboc@brandeis.edu

Course web page: <http://people.brandeis.edu/~kleinboc/21b/intro.html>

Grader: TBA

Text: MULTIVARIABLE MATHEMATICS, 4th edition, by R. Williamson and H. Trotter, Prentice Hall, 2003.

The library will have the old (3rd) edition on reserve, but the bookstore carries the latest one. The material is almost the same, but they changed the numbering of the homework problems, so it is advisable to stick to the new edition. We will cover Chapters 4–9 with some omissions. Chapters 1–3 contain an exposition of background material in linear algebra, which is a prerequisite for this course. Needless to say, the familiarity with single-variable calculus is also assumed.

Grades will be computed approximately as follows:

Midterm exam, in class, dates TBA	=	25 %
The final exam, as scheduled by registrar	=	50 %
Quizzes, once every 1–2 weeks	=	10 %
Graded homework	=	10 %
Instructor’s discretion	=	5 %

The dates of the **midterm exams** and **quizzes** will be announced in advance. Each quiz will take 15–20 min. **Homework** will be assigned once every one or two weeks and will be due the following week; the deadline for the first assignment is Wednesday, 1/25. Late homework will not be accepted and there will be no make-up quizzes. **Instructor’s discretion** is my subjective evaluation of student’s competence, based mainly on *class participation* (answering questions in class) and *bonus points* (for optional problems or exceptionally thoughtful analysis of tests/homework).

Have a great semester!