MA 225 (Multivariate Calculus)  
“SPRING” 2004  

Horacio G. Rotstein  

B1: TR 2:00 P – 3:30 P, CAS213  

Course content: This course extends to several variables the concepts of Calculus I and II (single variable). It covers the techniques and theory of functions of several variables, differentiation and integration of such functions, the meaning and use of vector valued function, and the theorems of Green, Stokes, and Gauss.  


Office hours: Temporarily my office house will be on W 1:00 to 3:00. My permanent office hours will be published in the website of the course (see below). Students are encouraged to set appointments at other times.  

Contact information: My office is in MCS 239, my office phone number is (617) 353-1493 and my e-mail address is horacio@math.bu.edu.  

Webpage for the course: http://math.bu.edu/people/horacio/math225.html.  

Discussion Session: W 3:00 P – 4:00 P, CAS 213. Students are expected to solve the corresponding assigned homework prior to each meeting. The corresponding information will be posted in the website of the course.  

Grading: There will be a number of quizzes, a midterm, and a comprehensive final exam. The lowest quiz score will be dropped. The quizzes will count for 30 % of your final grade, The midterm will count for 30 % of your final grade and the comprehensive final exam for 40 % of your final grade. In the cases in which the average grade obtained in the quizzes (Q), the midterm grade (M) and the final grade (F) satisfy the following equation $0.30 \; Q + 0.30 \; M < 0.6 \; F$, the comprehensive final exam will count for the 100 % of the grade. The quizzes and midterm will be administered in class (either lectures or discussion sessions). Information will be given in class and/or published in the website of the course. Please note that if the University is closed during any one of the in-class exam (quizzes or midterm) days this semester, then the exam will be given during the class lecture time that immediately follows the cancelled date.  

Make-up exams: No make-up exams will be given without an adequate excuse in writing. No make-up quizzes will be given. The format of the make-up need not be the same as that of the
original midterm, and the make-up may be harder. You will receive a zero for a missed exam or quiz.

**Examination policy:** The exams are closed book and during the exam time you are not allowed to have in your desk anything but the exam and a simple calculator.

**Academic conduct:** Students are expected to abide by the code of academic conduct which governs course work at Boston University. In this particular course the use of notes and books is not permitted on any quiz or exam. To avoid even the appearance of cheating on a quiz or exam please keep your eyes on your own work and do not talk or whisper to a neighbor. While you are encouraged to work together on the homework, you are to rely only on your own ideas and knowledge on the quizzes and exams. Use of another individual’s work, however it is communicated, is not permitted. Violations to the Academic Conduct Code will be dealt with according to the rules of the Code.

**Helpful hint:** To ensure full credit for your work on quizzes and exams, write legibly, show your reasoning, and state your conclusions completely and accurately. Each quiz will be preceded by homework, and you cannot expect to do well on the quizzes and exams unless you first do the homework. Your understanding of the difficulties involved in a problem is as important as your knowledge on how to solve it.

**Math Tutoring:** Free tutoring is available in the Math. Dept., Room 144, Monday through Friday, 9:00-5:00. If it happens that there is no tutor in the room when you arrive there, see the secretary in the Math. Dept. Office to find out when then next tutor will be available.