MATHEMATICS 124 A1: Calculus II
Spring Semester 2006
Instructor: Takashi Kimura
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Lectures: MWF 1-2 in CAS B12

Discussion Sections: MA 124A2: M 2-3 in MCS B23; MA 124A3: M 3-4 in CAS 426; MA 124A4: M 8:30-9:30 in MCS B33; MA 124A5: M 9:30-10:30 in MCS B25; MA 124A6: M 5-6 in MCS B31;

Text: *Calculus, Concepts and Contexts, Third Edition*, by J. Stewart (Brooks/Cole Publishing Company); ISBN: 0534409865.

My Office Hours: To be announced.

Teaching Fellow (TF): Gabriel Baditoiu   **TF's Office:** PSY 229

Content: In this course, we continue to study the calculus of functions of one variable building upon the material from MA 123. This course covers integration techniques, improper integrals, volumes and areas, arc length, differential equations, sequences and series. The best way to see if you have mastered the material is to do the homework problems.

Web Page: This class Web page is located at the URL:
        `http://math.bu.edu/people/kimura/Teaching/Spring06/124/`
Documents distributed in class, homework assignments, and related information will be posted there.

Homework: Homework will generally be assigned on **Wednesday** during class and due at the beginning of class the following Wednesday. Late homework will not be accepted. Students may discuss homework with each other (and are encouraged to do so) but all written work must be prepared independently. Remember that in order to receive full credit both your answer and reasoning must be correct (the same goes for exams).

Exams: There will be two in-class exams given at roughly equally spaced intervals throughout the course in addition to the final exam. **There will be NO makeup exams in this course.** If you miss exam, you will receive a zero for the exam. The only valid excuse for missing an exam is a serious illness which must be certified by a doctor's note. If you take an exam then you will not be allowed to take it again under any circumstances.

The Final: You will be held responsible for all of the course material in the final exam.

Calculator: A calculator with graphing capabilities may be useful for this course. **Note: Unless otherwise specified on exams and homeworks, only exact solutions will be given full credit.** For example, if the answer to a problem is $\sqrt{2}$ and you are not asked to provide an approximate solution then you will not receive full credit for writing down 1.414.

Class Help: There are three options. The first is to see me or the TF during our office hours (or by appointment). The second is to go to the math department's tutoring room in MCS 144 while the tutor is available (the schedule should be posted on the door of MCS 144). Finally, if you feel that you are falling far behind, you can make an appointment to receive peer tutoring from the Educational Resource Center at
        `http://www.bu.edu/erc/services/peer-tutoring.html`.

Grades: Your final grade is determined by three categories – the exams, the homework, and the final. Grades are based upon the formula:

$$\text{Final Grade} = \frac{3}{8}(\text{Exam Average}) + \frac{1}{4}(\text{ Homework Average}) + \frac{3}{8}(\text{Final Exam})$$

The final grade is curved.

Cheating: Plagiarism and cheating will not be tolerated and anyone suspected of such academic misconduct will be referred to the Dean's Office as per the provisions of the CAS Academic Conduct Code.