Calculus I
MA 123, Section F
Fall 2010

Meetings: PSY B43, TTh 12:30pm–2:00pm – Lectures

MCS B31, T 9:00am–10:00am   – F2 Discussion

T 10:00am–11:00am   – F3 Discussion

Instructor: Robert Harron

Email	rharron@
Office	MCS 230
Office Hours	Thursdays, 2:00pm–4:00pm

Course website: http://math.bu.edu/people/rharron/teaching/MA123/

Textbook: *Calculus: Concepts & Contexts, 4th edition, James Stewart*, Sections 1.1–5.5

Official description: Limits; derivatives; differentiation of algebraic functions. Applications to maxima, minima, and convexity of functions. The definite integral; the fundamental theorem of integral calculus; applications of integration. 4 credits.

Actual description: Limits, continuity, differentiability. Differentiation of algebraic and transcendental functions. Applications (related rates, extrema, convexity, . . .). Antiderivatives, Riemann sums, the definite integral, the Fundamental Theorem of Calculus, and integration by substitution. Applications of integration.

Assignments: There will be weekly assignments taken mostly from the book.

Quizzes: There will be mandatory quizzes held during the weekly discussion sessions.

Exams: There will be one in-class midterm (Tuesday, Oct. 19), and a final during the usual exam period.

Grading scheme:

Homework	15%	(lowest assignment grade will be dropped)
Quizzes	15%	(lowest quiz grade will be dropped)
Midterm	30%	
Final	40%	

Academic conduct: Your academic conduct will, of course, be governed by the CAS Academic Conduct Code.

Remarks:

- Reading ahead in the book can be a simple way to keep up with the class. Even you if you don't understand as you're reading, the feeling of familiarity during the lecture can be helpful.

- Many of you will have seen calculus before and may be led into a false sense of security. Beware that though familiar things might be covered, additional difficulties you have not seen before may be addressed.

- The discussion sessions will be run by a teaching fellow: Myoungil Kim (office: MCS 162).

- Late homework will not be accepted.

- There will be no make-up quizzes.

- All quizzes will be "closed-book", i.e. you will not have access to your notes or the textbook.

- Calculators will not be allowed during quizzes and exams.

Getting help: If you are having trouble with the class, or even if there are just some questions you would like to ask, it is important that you do so. Here are some of the resources available to you:

- My office hours; by all means come to them.

- The teaching fellow's office hours; ditto.

- The Math Tutoring Room: this is a free, walk-in tutoring room where you can sit down and do some work. The tutors on-duty are available for questions. This takes place in MCS 144. There will be a schedule posted outside that room.

- Diane Meuser's math help sessions: a BU math professor who kindly runs weekly help sessions Tuesday nights. See http://math.bu.edu/people/dmm/FacRes/mathhelp.html for details.

- If you would like a personal tutor (for a fee), a list is available from the math department's office, room MCS 142.