MA113:004–006, Fall 1998

Calculus I Lectures, MWF 10:00-10:50, CB234

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Text: Calculus: concepts and contexts, single variable, by James Stewart. We will cover chapters 1–4 in the fall semester.

Course content:
Chapter 1   Functions and models
Chapter 2   Limits and derivatives
Chapter 3   Differentiation rules
Chapter 4   Applications of differentiation

Grading: There will be no plus/minus grading in this course. I expect that you will need 90% for an A, 80% for a B, 70% for a C and 60% for a D. Each of the three hour exams and the final will be 17.5% of your grade. The projects, quizzes and homeworks will determine the remaining 25% of your grade.

Exams: We will have three exams and a final. The final will be cumulative with an emphasis on the material from Chapter 4. To prepare for each exam, you should study the review sheet that will be provided and review homework problems, quizzes and material from recitation.

Cheating: Copying or cheating on the three hour exams, the final exam and quizzes is not allowed. The minimum penalty for cheating is a failing grade in this course. I expect that students will collaborate on homework and projects. However, you should not turn in the solution to a problem unless you made substantial contribution to the solution of that problem. One possibility is to solve the problems independently and then compare your solution with that of another student. The opposite approach, sketch the solutions in a group and then write out a careful solution independently, is also acceptable.

Homework: Homework problems from the text will be assigned and collected regularly. The assignments will be made approximately one week before each due date.
You should take care to present your solutions to problems clearly and coherently.
No late homework will be accepted. If you miss class for a scheduled event, you must hand in the homework early. If you miss class for an illness or other emergency, please tell your TA. You will be assigned a zero and we will compensate for that grade when we assign the final grades.

Quizzes: Quizzes will be given on Friday's, except on the Friday's after tests. The quizzes are intended to encourage you to keep current with your course work. No makeup quizzes will be given. You will be allowed to drop the two lowest quiz grades. Again, if you miss a quiz for illness, emergency or excused absence, please tell your TA so that we can consider this when assigning final grades.

MA193: Calculus I is a four credit course, but meets for more than four hours per week. In order to receive credit for the extra class time, you are strongly encouraged to enroll in MA193. Your section number for MA193 is the same as the section number for MA113.

MA193 will be graded on a pass/fail basis. If you have zero, one or two unexcused absences you will pass MA193 if you have three or more unexcused absences, you will fail MA193. Again, please tell your TA about any excused absences as soon as possible. Excused absences due to university activities should be mentioned in advance. Absences due to illness or emergency should be reported as soon as you return to school.

Attendance: Go to class. Attendance will be taken in recitation in order to compute the MA193 grade.

Calculators: You are encouraged to have a graphing calculator to use in class, on homework and during exams. Your instructors will be using TI-82's. If you own another graphing calculator, you do not need to buy a TI-82.

During exams, you will not be allowed to use a machine which performs symbolic manipulation. In particular, no TI-89's, TI-92's, no laptop computers and no machines with a keyboard.

Exams: There will be three exams on Tuesday evenings from 7:30 to 9:30. The dates for these exams are on the calendar. Please make sure you have these dates free. The room for these exams will be different from your lecture and recitation room. The room will be announced in class. Exam 1 will cover Chapter 1, exam 2 will cover Chapter 2 and exam 3 will cover Chapter 3. The final will be cumulative, but with an emphasis on Chapter 4.

Projects: We hope to complete three projects from the text. You will work in groups on these projects and your group will turn in one written report. Groups must have 2 to 4 members. All members of a group will receive the same grade. We will devote most of one recitation to each project. You will need to arrange for additional time outside of class to complete each project.

University studies program: MA113 is part of the University studies program. It fulfills the mathematics component of the Basic skills requirement and the inference component. As such it has a writing component. You will be asked to write your answers on exams and homework using clear, coherent English. You will be expected to provide a written report for each project.

Problems: If you have any questions about this course, contact your TA or instructor. If they are unable to resolve your question, you may contact the course coordinator, David Johnson, the math department omsbudperson, Robert Molzon, or the university omsbudperson.

Important dates:

Wednesday	16 September	Last drop
Tuesday	22 September, 7:30pm–9:30pm	Test 1
Friday	2 October,	Fall break
Tuesday	20 October, 7:30pm–9:30pm	Test 2
Friday	23 October	Last withdraw
Tuesday	17 November, 7:30pm–9:30pm	Test 3
Monday	December, 8:30pm–10:30pm	Final