

Calculus for Business & Economics
Fall 2004
Amjad Al Rabi

Text: Calculus, Applications and Technology for Business, Social and Life Sciences, 3rd edition, by Edmond Tomastik, Brooks/Cole

Grading:

Two exams (25% each)

Quizzes, Worksheets and/or Projects (15%)

Final Exam (35%)

Syllabus: The course will cover most of chapters 1, 3, 4, 5, and 6. Anticipated coverage of the text, subject to change, is as follows:

Covered on Exam I: 1.1, A6, A7, A8, 1.2, 1.3, 1.4, 1.5, 3.1, 3.2, 3.3, 3.4

Covered on Exam II: 4.1, 4.2, 4.3, 4.4, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8

Covered on Final Exam: all the above and 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7

Goals: The goal for the semester is to learn, understand and be able to work with the main ideas of differential and integral calculus, including limits, continuity, differentiation, integration and various applications of the derivative and the integral. This does not only mean that you should be able to work through a bunch of problems similar to ones seen in the homework. But that you should have the ability to articulate the ideas presented in the course in a clear and coherent manner as well. You should also be able to apply the theory in new and imaginative ways as it pertains to business and economics.

Expectations: You are expected to do most of your learning outside of the classroom. For each class period you should expect to spend 4-5 hours studying and working on calculus outside of class. Mathematics, like most subjects, is learned by doing it. There will not be time in class for you to do a lot of mathematics yourself. If you must miss a class, you are expected to find out what happened, either from your instructor or one of your classmates. You are responsible for everything that goes on in class.

Homework: As the name suggests, this is work to be done outside of class. A few of the homework problems may be worked in class either as examples or quizzes. You are encouraged to work with other students on the homework.

Graded Work: There will be two exams, **tentatively** scheduled for Thursday, Sept. 30 and Thursday, Nov. 11. The final exam will be the week of Dec. 13 - 18 and will be comprehensive, the exact date will be determined by the registrar. There will also be quizzes, projects, and worksheets scattered throughout the semester. There will be **no make-ups** for missed work. If necessary individual final exams will be rescheduled only upon prior arrangement with the dean's office.

Calculator Policy: All are permitted, no restrictions.

Course Policy on Academic Integrity: A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and acknowledgment of the work and ideas of others. Misrepresenting someone else's work as one's own is a serious offense in any academic setting and it will not be condoned.

Academic misconduct includes, but is not limited to, providing or receiving assistance in a manner not authorized by the instructor in the creation of work to be submitted for academic evaluation (e.g. papers, projects, examinations and assessments - whether online or in class); presenting, as one's own, the ideas, words or calculations of another for academic evaluation; doing unauthorized academic work for which another person will receive credit or be evaluated; using unauthorized aids in preparing work for evaluation (e.g. unauthorized formula sheets, unauthorized calculators, unauthorized programs or formulas loaded into your calculator, etc.); and presenting the same or substantially the same papers or projects in two or more courses without the explicit permission of the instructors involved.

A student who knowingly assists another student in committing an act of academic misconduct shall be equally accountable for the violation, and shall be subject to the sanctions and other remedies described in The Student Code.

Sanctions shall include, but are not limited to, a letter sent to the Dean of Students of the University; a grade of 0 on the assignment, quiz or exam; a grade of F for the course.