
Math 135 – Business Calculus

Summer 2008A - Section 1, MH 442, MWR 8:00-10:20 a.m.

Instructor: Mortaza (Mori) Jamshidian, Professor

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Office Hours: MR 10:30-11:30 a.m., TW 5:00-6:00 p.m., or by appointment

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Text: *Calculus and Its Applications*, by Bittinger & Ellenbogen, Addison Wesley, 2008. A MyMathLab student access code (packaged with your new text, standalone at your bookstore, or available for purchase with a major credit card at www.coursecompass.com) is required. Please see the last page on this syllabus.

Calculator: A basic calculator with exponential and logarithm keys is required for this class, and may be used on all of the homework and exams. Graphing calculators and calculators that are capable of symbolic computations may not be used during the exams.

Course Description: This course will cover the following topics and their applications: limits, differentiation, exponential and logarithmic functions, integration. For a list of learning goals, please see below.

Your e-mail address wanted: You are **required** to fill out the “Student Information Form” ([click here](#)) and submit it to mori@fullerton.edu no later than **today**, 5:00 p.m. **Do not** save the PDF file and attach to an e-mail. You need to **use the submit button** on the form and follow the instructions. **If you’re unable to submit the form**, send me an e-mail with all the required information on the form. Make sure to include your name and your course “Math 135” in your e-mail. Also, **make sure** to provide an e-mail address that you check frequently. I will send various communiqué, and announcements about our class through e-mail. I will send a “test e-mail” to everyone who submits the form. Please check your e-mail on **Tuesday June 2nd**. If you do not receive my test e-mail, please see me on **Wednesday** to resolve any problems there may be. **Note:** Any credits that you lose due to not establishing your e-mail connection with me on time will be your responsibility.

Course requirements and grading policy: After every class session you will have homework that will be due by the beginning of the next session. Homework will be assigned and graded through MyMathlab. You **must work** on the homework **individually**. The Homework and quizzes will account for **15%** of your grade. Four midterm exams (**60%**) will be given every Monday, except for the first and last week of classes. A final exam (**25%**) will be given the last day of class.

The following is a tentative exam schedule:

<i>Exam I</i>	<i>Exam II</i>	<i>Exam III</i>	<i>Exam IV</i>	<i>Final Exam</i>
Mon. June 8	Mon. June 15	Mon. June 22	Mon. June 29	Thr. July 9

Letter Grades will be assigned as follows:

Percent	97-100	90-96	88-89	85-87	80-84	78-79	75-77	70-74	67-69	60-66	00-59
Grade	A+	A	A-	B+	B	B-	C+	C	D+	D	F

The exams will be designed to test your understanding of the concepts being covered in the course. This means that the exams will not consist solely of problems that closely resemble the homework. Instead, they may contain problems that combine two or more different concepts or test your understanding of a definition or a theorem. Some questions will require a written response. These will be graded for exposition as well as for mathematical content.

Make-up exams will be given only in extreme instances and only with advance permission of the instructor. Any student who does not take an exam at the scheduled time without prior consent of the instructor will receive a grade of zero on that exam. If any student feels that a sudden illness is sufficiently extreme to warrant a make-up exam, the instructor must be provided with documentation prepared by an appropriate authority.

CNSM Study 25-35: I am an advocate of the **CNSM Study 25-35** campaign. **CNSM Study 25-35** represents the need for a full-time student (12 to 15 units) to spend *25 to 35 hours per week* studying to succeed in her/his classes.

Learning goals:

- a. To understand and appreciate the varied ways in which calculus is used in problem solving, such as graph sketching, function maximizing-minimizing, etc.
- b. To understand and appreciate the varied applications of calculus to real-world problems, such as marginal analysis for cost and revenue, profit maximizing, elasticity analysis, etc.
- c. To perform appropriate numerical calculations, with knowledge of the underlying mathematics, and draw conclusions from the results.
- d. To demonstrate knowledge of fundamental calculus concepts, symbols, and principles in differentiation and integration.
- e. To solve problems that require mathematical analysis and quantitative reasoning, such as model fitting, maximum-minimum problems, etc.
- f. To summarize and present mathematical information with graphs and spreadsheets that enhance comprehension.
- g. To utilize inductive and deductive mathematical reasoning skills in finding solutions, and be able to explain how these skills were used.
- h. To explain the overall process and particular steps by which a mathematical problem is solved.
- i. To demonstrate a sense of mastery and confidence in the ability to solve problems that require mathematical concepts and quantitative reasoning.

Academic Integrity: Students who violate university standards of academic integrity are subject to disciplinary sanctions, including failure in the course and suspension from the university. Since dishonesty in any form harms the individual, other students and the university, policies on academic integrity are strictly enforced. I expect that you will familiarize yourself with the academic integrity

guidelines found in the current student handbook (see <http://www.fullerton.edu/deanofstudents/judicial/policies.htm>).

Examples of actions that constitute academic dishonesty include, but are not limited to:

1. Unacceptable examination behavior – communicating with fellow students, copying material from another student’s exam or allowing another student to copy from an exam, possessing or using unauthorized materials, or any behavior that defeats the intent of an exam.
2. Plagiarism – taking the work of another and offering it as one’s own without giving credit to that source, whether that material is paraphrased or copied in verbatim or near-verbatim form.
3. Unauthorized collaboration on a project, homework or other assignment.
4. Documentary falsification including forgery, altering of campus documents or records, tampering with grading procedures, fabricating lab assignments, or altering medical excuses.

Emergency Evacuation: In the event of an emergency such as earthquake or fire:

- Take all your personal belongings and leave the classroom. Use the stairways located at the east, west, or center of the building.
- Do not use the elevator. They may not be working once the alarm sounds.
- Go to the lawn area towards Nutwood Avenue. Stay with class members for further instruction.
- For additional information on exits, fire alarms and telephones, **Building Evacuation Maps** are located near each elevator.
- Anyone who may have difficulty evacuating the building, please see the instructor.