

Course Information:

Section: 13135
Time: MW 1600-1715
Room: MH 121
Textbook: Bittinger, M. and Ellenbogen, D. *Calculus and its Applications*, 10th edition. ISBN-13: 978-0-321-69433-1
MyMathLab

Instructor Information:

Name: Randy Scott
Office: MH-65
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Important Dates

- Last day to drop without record of participation: February 6, 2012.
- Last day to drop with a W without documentation: March 6, 2012.
- Last day to drop with a W with specific documentation: April 20, 2012.

Course Objective

Math 135 is designed to provide the students with the knowledge and skills of mathematical analysis and quantitative reasoning. The course provides an overview of the greatest intellectual achievement of humankind, namely, calculus, including derivatives, integrals, and its application to the business and economics, including max-min problems. For the students majoring in accounting, business administration, economics, finance, information systems and decision science, management, and marketing, this course enhances their ability of critical thinking, problem solving, and communicating efficiently these perspectives.

Prerequisite

Passing score on the ELM or exemption; three years of high school mathematics, including two years of algebra and one year of geometry; and Math115 or 125 or equivalent or a passing score on the Mathematics Qualifying Exam (MQE).

Required Materials & Equipment

At each class meeting you should have (i) pencil (ii) paper (iii) calculator (graphing preferred) and (iv) notebook. We will not be using the textbook in class, but if you have homework questions, it might be useful to bring it.

Evaluation

Exams February 15, March 21, and May 2, 2012.

All exams, including the final exam, include approximately 50% multiple-choice and 50% written; you will need 4 Scantron 882-ES. Do not confuse “multiple-choice” with “easy.” The multiple-choice questions will require you to analyze and evaluate the concepts that we will be discussing in class. Make-up exams will be only be given for *documented* emergencies.

Quizzes Quizzes will be taken online through MyMathLab. Quiz problems will be similar to homework problems in both content and format.

Homework Assigned and completed online through MyMathLab: www.mymathlab.com

The course id for our course is: **scott32152**

This link www.sccollege.edu/rscott and a click in the lower left corner on “Math 135 MyMathLab Registration” will take you to a handout on how to get started with MyMathLab.

There are 34-36 equally weighted online homework assignments. They are due on Mondays at exactly 4:00 P.M. Pacific time, but be sure to check due dates on MyMathLab. No late submissions or hand-in homework will be accepted. Every homework problem is graded.

Writing Assignments We will have a number of individual writing assignments. These will be scored using a 10-point rubric.

Format (1 pts)	Each assignment must be typed and printed on 8.5 by 11 papers with 1" margins on all sides using 12-point Times New Roman font, and single line spacing. Hand-written assignments will not be accepted. Title of your writing assignment should in bold and followed by your name and the session of your class. For example, The Sample Title Joe Student, Math 135, M&W 4:00-5:15 pm Each assignment should be a paragraph or two whose length is between 200 and 350 words.
Brief introduction or a description of your writing assignment (1 pts)	Describe to the audience (a HS grad with precalculus experience) what your writing assignment is about. Discuss what specifically you do in this report.
Mathematical contents or solution process (5 pts)	Discuss the mathematical content including any applicable terms, equations, variables and constants. Address any assumptions as needed. Most likely you will be asked to explain certain concepts, describe a mathematical technique, to provide the details of a mathematical procedure. An example or a graph may be useful. Keep it simple, efficient, and easy to follow. Most importantly, make sure what you are writing is mathematically correct.
Application/ Usage Discussion (1 pts)	Tell the audience the significance of the mathematical contents in your paper and/or the applications for which it can be used.
Correct grammar, spelling, punctuation (2 pts)	Complete sentences, proper punctuations and correct spelling.

Final Exam May 16, 2012, 1700-1850

Extra Credit There is no extra credit of any kind. Do not ask me for any extra credit. There are plenty of opportunities for you to earn your grade in this course.

Grade Computation and Standards

Your grade is computed using a weighted average of the mean of the percent scores for all of the assignments in each of the categories listed below at left:

Exams	50%
Quizzes/Writing	15%
Homework	10%
Final Exam	25%

Your plus/minus letter grade is assigned using the following scheme. Let p = your total percentage and l = your letter grade.

If $p \geq 99\%$,	then $l=A+$
If $99\% > p \geq 92\%$,	then $l=A$
If $92\% > p \geq 90\%$,	then $l=A-$
If $90\% > p \geq 88\%$,	then $l=B+$
If $88\% > p \geq 82\%$,	then $l=B$
If $82\% > p \geq 80\%$,	then $l=B-$
If $80\% > p \geq 78\%$,	then $l=C+$
If $78\% > p \geq 70\%$,	then $l=C$
If $70\% > p \geq 60\%$,	then $l=D$
If $60\% > p$,	then $l=F$

Classroom Management

You paid a lot of money to take this class, and I expect you to behave as such:

- Attend class each and every day.
- Our class begins at 4:00 pm and ends at 5:15 pm. I expect you to be on time and to plan to stay for the entire class.
- Please do NOT have your cell phone out for any reason during class. Turn your phone OFF before 4:00 pm. (If you have an emergency that requires you to be in contact with the outside world, please notify me before class begins.)
- No other personal electronic devices (laptop, iPad, smartphone, etc.) may be used in the classroom.
- Please attend to any biological needs BEFORE 4:00 pm.
- Please sit at the front of the classroom. I promise to maintain appropriate dental hygiene.

All of these requests are intended to make you more successful in the class.

Math 135 as a GE Course

This course may be used to satisfy the General Education subarea B.4. A grade of C (2.0) or better is required. a grade of C- does NOT fulfill this GE requirement.

Learning Goals (Applicable to both Course and GE Objectives):

1. To understand and appreciate the varied ways in which calculus is used in problem solving, such as graph sketching, function maximizing-minimizing, etc.
2. 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.
3. To perform appropriate numerical calculations, with knowledge of the underlying mathematics, and draw conclusions from the results.
4. To demonstrate knowledge of fundamental calculus concepts, symbols, and principles in differentiation and integration.
5. To solve problems that require mathematical analysis and quantitative reasoning, such as model fitting, maximum-minimum problems, etc.
6. To summarize and present mathematical information with graphs and spreadsheets that enhance comprehension.
7. To utilize inductive and deductive mathematical reasoning skills in finding solutions, and be able to explain how these skills were used.
8. To explain the overall process and particular steps by which a mathematical problem is solved.
9. To demonstrate a sense of mastery and confidence in the ability to solve problems that require mathematical concepts and quantitative reasoning.

These goals are achieved through the course work, including homework, classroom activities, quizzes, exams, and projects, which require the students to demonstrate understanding of the mathematical concepts presented in the course and to apply these concepts to the solutions of real-world applications.

GE Writing Objectives: The GE writing requirement is met through one of two types of assignments left to the discretion of the instructors teaching Math135. The first type of the assignments requires the students to submit weekly reports on basic concepts and skilled learned and questions raised. This particular class section will not use the second type of assignment.

Academic Integrity

Cheating obtaining or attempting to obtain credit for work by the use of any dishonest, deceptive, fraudulent, or unauthorized means. Helping someone commit an act of academic dishonesty. (UPS 300.021). Examples include, but are not limited to:

1. Unacceptable examination behavior communicating with fellow students, copying material from another students 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 ones 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 where an instructor expressly forbids such collaboration.
4. Documentary falsification including forgery, altering of campus documents or records, tampering with grading procedures, fabricating lab assignments, or altering medical excuses.

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.

Emergency Information

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

- Take all your personal belongings and leave the classroom (or lab). 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.

Student Disabilities

On the CSUF campus, the Office of Disabled Student Services (DSS) has been delegated the authority to certify disabilities and to prescribe specific accommodations for students with documented disabilities. DSS provides support services for students with mobility limitations, learning disabilities, hearing or visual impairments, and other disabilities. Counselors are available to help students plan a CSUF experience to meet their individual needs. If you require accommodations in this course for documented special needs, contact the Disabled Student Services office, UH 101, (714) 278-3117.