

## Math 150 "Business Calculus"

Professor Krystal Meier

Spring 2016

M&W #14106 10:45-1:15 Room R-114 and T&Th #14103 4:15-6:45 Room I-102

**Instructor:** Krystal Meier

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**Office Hours:** M&W 1:15 -1:45 and TTH 2:00-4:00

**Math Study Center Hours:** none this semester

**Web Site:** [www.sac.edu/math](http://www.sac.edu/math) (go to the "full-time faculty" link and find my name) On my website you will find exam reviews, worksheets and other helpful info.

**Textbook:** Calculus and its applications Brief 11<sup>th</sup> Edition, Authors: Bittinger, Ellenbogen & Surgent. Pearson Publisher ISBN: 0-321-97939-7 or ISBN: 978-0-321-97939-1

**Materials Needed:** Graphing Calculator (TI-83+ or TI 84 recommended) TI-89 may not be used.

**Resources Available:** Students Solution Manual, Video lectures in the MC, free tutoring from the Math Center or Learning Center

**Course Description:** The student will learn the major topics in calculus through applications that are useful in the biological, management, and social sciences. In order to give a more realistic approach, calculators and/or computers will be used in their solutions. Broad concepts will be mastered instead of specialized manipulative skills. The student should have a clear idea of how calculus can be used as a tool in his/her chosen field of study. Some topics covered are: Derivatives and their many applications; optimization problems, inventory control, two variable functions, related rates, elasticity of demand, growth models. Using definite integrals to find future value, consumer and producer's surplus, areas and volumes.

**Student Learning Outcomes:** By the end of the semester, students will be able to approximate and/or exactly evaluate integrals and solve real world applications.

**Grades:** grades will be determined by earning points. 90-100% of the total points is an "A", 80-89% is a "B", 70-79% is a "C". If you earn below 70% of the total points you will not pass the class. There will be approximately 745 - 800 points possible for the semester.

**Exams:** We will have 4 Exams at 100 points each, with a 200 point comprehensive Final Exam.

**Quizzes:** Quizzes are given daily, except exam days. Each quiz is 10 points. Usually a total of 10-15 quizzes will be given during the semester. (Approximate max 150 points)

**Class Work:** Problems worked in class or worksheets will be randomly collected. (2-5 points) Students must be present to earn these points.

**Homework:** Doing the homework is the absolute best thing you can do to pass this class. **Do the homework** and ask questions and your chance of passing (and your grade) will go up exponentially. Only you can make the right choice! HW is due the next day after it is assigned and will be collected randomly. 5-10pts each.

**Make-ups:** There are no make-ups for HW, class work, quizzes, or exams. For exams, if an unforeseen problem occurs, students need to talk with the instructor before the Exam to see if a possible solution can be found.

**Honesty Policy:** Students are expected to display the utmost integrity. During all exams and quizzes, calculators cannot be shared, students are not to communicate with others, and your eyes should remain on your paper. No other electronic devices may be used during exams or quizzes. If a question arises during the assessment see the instructor. You may not leave during the exam. There is absolutely NO tolerance for cheating in this class. Any student caught cheating or assisting another student in the act of cheating will receive a zero on the assignment, quiz or test. (On exam days, the instructor reserves the right to move students to different seats, do not take this personally ☺)

**Attendance:** Any student with 3 or more absences will be dropped from the class, as noted in the school attendance policy.

**Special Needs:** Any student with a disability, who would like to request an academic accommodation, is responsible for identifying herself/himself to the instructor and to the Disabled Student Programs and Services (DSPS). To make arrangements for academic accommodations, contact the Disabled Student Center in Johnson Center, U-103, or phone (714) 564-6264, TTY (714) 564-6284 for a referral to the appropriate DSPS Department. It is the student's responsibility to inform the instructor in a timely manner.

**Please Note:** In consideration of others please turn all cell phones and pagers off or to silent mode.

**Extra Credit:** 10 points can be earned for 30 or more hours in the MSC. Be sure to use the computer to clock in and out. These hours must be completed by the Monday of finals week!

### **How do I get help???**

*Math Center:* this is a place for you to sit and do your homework or study. When a question comes up, a tutor will come and help. This is not one-to-one tutoring, the tutors help students as questions arise. This is just for quick questions and clarification. Located on the second floor of the L-building. Hours usually are M-Th 9:00 a.m. - 8:00 p.m., and Friday 9:00 - noon. Call to check hours. Phone: (714) 564-6677

*Tutorial learning Center:* this is an appointment only center. They provide one-to-one tutoring for free (1 hour a week). You may make an appointment with a tutor to work with you alone or a small group. If you make an appointment(s) and fail to show up, you may be prohibited from making further appointments. Located in the U-building. Hours are varied, but usually Saturday hours are available. Call for hours. Phone: (714)-564-6260

*Professor office hours:* stop by anytime during my office hours for help, no need for an appointment.

I suggest getting a few names and phone numbers (or e-mail address's) of fellow students in case of absence or to form study groups!!

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