Spring 2017   **De Anza College**
Math 12 Section 27 - Calculus for Business and Social Science

Instructor: Timothy Smith
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Office hour: Monday and Wednesday, 12:20 to 1:10 PM in the tutorial center (S 43)
Textbook: **Calculus and its applications (11th edition) by Bittinger ,Ellenbogen and Surgent.**

Syllabus: We will cover chapters 1 to 6, with the exception of some optional sections.

STUDENT LEARNING OUTCOMES:
1. Use correct notation and mathematical precision in evaluation and interpretation of derivatives and integrals.
2. Evaluate, solve, interpret and communicate business and social science applications using appropriate differentiation and integration methodologies.

Pre-requisites: Math 11 (Finite Mathematics) or Math 41 (Pre-Calculus) with a C or better. You need to have a solid knowledge of algebra and be able to do algebraic calculations (simplifying fractional expressions and exponents are just two examples).

EXAMS: There will be **three** exams and a final exam which will cover all the material of the course. **Exam 1** will cover chapter**s 1 and part of chapter 2** ; **Exam 2** will cover the rest of **chapter 2, and chapter 3 and part of chapter 4; exam 3 will cover the rest of chapter 4, and chapters 5 and 6. The sections covered on the exams may change depending on how fast we go through the material.**

Homework will be assigned but not graded. There will be a quiz <u>each class period</u> , during the last <u>15 minutes of class</u>. They will be collected at exactly the end of class period, no late submission.

GRADING:
Exams 1,2,3   **60 %** (20% each)
Quizzes: **10 % (**includes two graded research assignment on applications**)**
Final Exam: **30 %**
<u>Your grade will be determined by your course percentage as follows:</u>

90 –100 A (the highest score in this range will receive an A+ and 90 is an A-)
80- 89 B (The highest score in this range will receive a B+ and 80 is a B-)
67 - 79 C (The highest score will receive a C+ ; no C minus grades are allowed at De
                 Anza)
52 –66 D (A score of 52 is a D- and the highest a D+)
0 – 51   F

Attendance Policy Do not assume that I will drop you from the course. Make sure you read the drop deadlines in the De Anza schedule. You must take care of the drop paperwork on your own.

CLASSROOM POLICIES:

1. **Observe silence and respect during lectures** *with no whispering or other distracting* non-verbal communication. The exception of course is during recitation or discussion. This kind of behavior is rude and distracting to me and to students. We all need a quiet environment in order to concentrate effectively and learn the subject matter of the course. If there is talking during class, I will pause the lecture and look at the person or the area where talking is coming from to **indicate to them to stop so the lecture can continue.** If talking continues, you will be asked to talk outside the classroom. Also, please do not eat during class. Bottled water is fine.

2. If you must leave the class early for an urgent and important reason, please let me know before class starts, sit near the door and please leave quietly. Also, after you finish your quiz or exam, please leave quietly. **Talking to other students during an exam or quiz is not allowed. Failure to follow this rule will mean 0, zero in your exam or quiz.**

3. The Math department estimates that you should spend between one and two hours studying outside class for each hour in class. So that means you should expect to put in between 5 and 10 hours per week doing homework for this course. **You can go to the TUTORIAL CENTER if you need more help with any of the material, or you can form a study group with other students.**

4. I advise every student to have a **textbook** as this will help you in studying and on your own time. Please bring your textbook to class regularly since I will refer to problems in the books quite often. Renting a textbook is cheaper than a pair of jeans and shirt but it will have lasting benefit so think about it.

5. During exams you may use one and only one 3 by 5 inch card with notes on both sides. Bigger (and more) note cards will be confiscated in fairness to other students. Books and electronic devices are not allowed on exams and quizzes..

 Take care of your rest room needs before exams and quizzes.

6. You must use a **pen** (**only blue or black ink**) on all quizzes and exams. I will not grade work done in pencil.

7. *Cheating* **is not allowed or tolerated during exams or quizzes.** Cheating includes: looking at another student's paper or talking to another student, altering an exam or quiz after it has been returned to you, and using a book or unauthorized notes during an exam or quiz and sharing notes to other students. I will give a warning during exams or quizzes, if I notice any attempt at cheating**. If the student continues to cheat, I will give a zero on that exam or quiz.** I may ask a student to move to another seat if I see any suspicious behavior. I will also separate students who are sitting too close together. During an exam, y**ou must also put all notes books, backpack, and devices by the classroom wall**,except for the allowed notecard. If you change any work on your exam or quiz after I return it to you (to try to get a better grade) then I will give you a zero for that exam or quiz. You should know that I check exam papers twice before I return them to you.

8. You must turn in your exams and quizzes on time at **the end of the class period.** Ask any questions before the exam; if extremely necessary, you may ask a quick question to a minimum. This means that if you ask me a question I can only give a brief answer. If you have more extensive questions please ask me after all the students are done. To be fair to other students, I cannot give you hints on how to do a problem.

9. Students on the waiting list will be added in the numerical order given by the administration. However, if you are absent when I call your name to add then I will add the next person on the list. So come to every class if you are serious about adding.

10. **You are not allowed to use your own calculator on exams and quizzes.**. One reason is that I want to test your ability to do a problem (like an integration), not the calculator's ability. I will construct the problems so that a calculator is not necessary. **I will have a basic calculator at the front desk that you can use to check your work. But that calculator cannot be taken back to your desk.**

11. **MAKE UP POLICY** : If you miss an exam, then your final exam score will replace the missed exam. I do not give a makeup exam if you miss one exam. If you miss another exam then I will give you a makeup exam if you have a serious excuse that needs documentation. If you take all three exams, then the final exam will replace your lowest exam. I do not give makeup quizzes, but I will drop your lowest two quiz scores. You are only allowed to take an exam once. I do not give retakes. That includes the final exam.

COURSE SCHEDULE FOR MATH 12 Spring 2017

4/10 (1.1 to 1.4)	4/12 (1.4, 1.5)
4/17 (1.6, 1.7)	4/19 (1.7,1.8)
4/24 (2.1)	4/26 (2.2)
5/1 (review)	5/3 Exam 1
5/8 (2.3,2.5)	5/10 (2.6 ,2.7,2.8)
5/15 (3.1,3.2)	5/17 (3.5, 4.1, 4.2)
5/22 (4.3, review)	5/24 (Exam 2)
5/29 No class	5/31 (4.4,4.5,4.6)
6/5 (5.1, 6.1,6.2)	6/7 (6.3)
6/12 (5.2,5.3, review)	6/14 (Exam 3)

6/19 (review)   6/21` Last day of instruction (review for Final)

6/26 (no class)   6/28 - FINAL EXAM from 4:00 to 6:00 PM

 STUDY WELL. YOUR FUTURE DEPENDS ON THE PRESENT.