

Math 1C.27-Advanced Calculus

De Anza College Winter 2016

Instructor: Timothy Smith

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Office Hours: 2:30-4:30 pm – Tutorial Center

Textbook: Calculus by James Stewart, 7th edition, early transcendentals

Syllabus: We will cover Chapters 11,10,12 and 13, in that order

STUDENT LEARNING OUTCOMES:

1. Graphically, analytically and numerically analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.
2. Apply infinite sequences and series in approximating functions.
3. Synthesize and apply vectors, polar coordinates, and parametric equations in solving problems in analytic geometry, including motion in space.

EXAMS: There will be **three** exams and a **final** exam which will cover all the material of the course. **Exam 1** will cover chapter 11; **Exam 2** will cover **Chapter 10 and part of Chapter 12** and **Exam 3** will cover **Chapters 12 and 13** (the sections covered on the exams may change slightly depending on how fast we go through the material)

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

GRADING:

Exams 1,2,3	60% (20% each)
Quizzes:	10 %
Final Exam:	30 %

Your grade will be determined by your course percentage as follows:

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: You will greatly benefit for attending classes each meeting. For whatever reason that you need to drop the course, **you need to go to Admissions and Records to officially drop the course. Follow the official 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, eating is not allowed in the classroom. This is a De Anza college policy.

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. If you need more help with the class material, **you can come for help during my office hours, go to the Tutorial Center or form a study group with other students.**

4. The **textbook** is a good investment to help you in studying and on your own time. Please **bring your textbook** to class regularly to follow the lectures 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.)

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, you 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 and review exam papers twice before I return them to you. **Sharing another student's calculator on a quiz or exam is considered cheating since the solution to a problem could be stored in the memory. Also , you are not allowed to share your note card with another student**

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. **Calculators are not allowed on some 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.

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 for the course, then the final exam will replace your lowest exam. I do not give makeup quizzes, but I will drop your lowest two quiz scores.

If you are unable to take the final exam for a serious reason, then you must notify me before the official final exam schedule and arrange to take a makeup. However, the makeup must be taken at least two days before official grade submission so I have time to grade. This means that the latest you can take the makeup is the Monday after your class takes the final exam.

Also, in fairness to the other students (who had less time to study), the makeup exam will be more challenging than the original exam. I only allow students to take an exam once. You cannot retake the final exam or any other exam or quiz. So please study well for each exam.

12. It is the policy of De Anza College that I am not allowed to change grades after the course is ended. I am also not allowed to give students extra work to improve their grade after your official grade has been submitted. All work for the course is to be done before the quarter ends.

HAVE A GOOD SCHOOLYEAR TO ALL! REMEMBER THAT YOU ARE NOW SHAPING YOUR FUTURE !!!

COURSE SCHEDULE FOR MATH 1C Winter 2016

1/4 (11.1)	1/6 (11.1, 11.2)
1/11 (11.3, 11.4)	1/13 (11.5 to 11.7)
1/ 18 no class	1/20 (11.8, 11.9)
1/ 25 (11.10,review)	1/27 Exam 1
2/1 (11.11 , 10.1)	2/ 3 (10.2, 10.3)
2/8 (10.4, 10.6)	2/10 (12.1,12.2)
2/ 15 no class	2/17 (12.3, 12.4)
2/22 (12.5, review)	2/24 (Exam 2)
2/29 (13.1, 13.2)	3/ 2 (13.2,13.3)
3/7 (13.4)	3/9 (13.4, review)
3/14 Exam 3	3/16 review
3/ 21 review	3/23 (Final Exam 4 to 6 PM)

Important dates to remember:

Sun. Jan 17: Last day to add a class.

Sat. Jan 16: Last day to drop a class for a full refund or credit.

Mon. Jan 18: Last day to drop a class with no record of grade.

Fri. Feb. 26: Last day to drop a class with a W.