

Prerequisite: Appropriate score on Calculus Placement Test within the past calendar year; or Mathematics 43 with a grade of C or better.

Course Description: Fundamentals of differential calculus.

Calculator: TI-83 Plus/TI-84 Plus calculator recommended. A TI-89 or any similar symbolic calculator will not be allowed on exams.

Textbook: *Calculus Early Transcendentals*; 8th edition, by James Stewart, bundle with Webassign access code.

Webassign: All homework will be done online using WebAssign. You will need to register at www.webassign.net to use this internet-based software. You will need the class key given by me in order to self-register.

Tutoring Services: The De Anza campus has a tutorial center for math students where students can get "drop in" help. Students can also register to have a regular, assigned tutor for help throughout a quarter. The tutoring center is located in room S-43.

Student Conduct: Do not cheat. If you have a question during a test, you are only allowed to talk to the instructor. Anyone caught cheating on an exam will receive an automatic 0 and be reported to the Dean of the PSME Division. You can be expelled from the class and possibly from De Anza College with a grade of F if you are caught cheating.

Classroom Behavior: Please show courtesy for me and your fellow classmates by turning off and putting away your cell phone during class time, especially during exams. Please do not take calls or text message during class. Do not talk while fellow classmates or I are talking. If you have any type of learning disability, please let me know during the first week of classes so that special arrangements can be made, if necessary.

Time Management: You should expect to spend at least 2 hours outside of the classroom for every 1 hour inside the classroom. This time outside of the classroom may include homework, reviewing notes, studying, and attending office hours. If you want to be successful in this class you will need to put time and effort into it.

Attendance: Students are expected to attend every class meeting. Make sure you sign the attendance roster at each class meeting. If you miss a day, it is solely your responsibility to seek out another student or myself to find out what you missed. You cannot expect to do well in the class if you fail to attend lectures.

Homework: Homework will be assigned every class meeting online and will have a due date. All homework must be submitted by 11:59 PM on the due date. You must set up an account by Monday, January 15, 2018 or you will be dropped from the class. If you have a homework problem you were not able to complete, you have the next class session to ask by putting the problem on the board. However, at the end of the quarter your lowest homework score will be dropped. Homework will count for 13% of your term grade.

Quizzes: There will be a quiz every week. Each quiz will be assigned online or in- class intermittently throughout the term to test your skills on the concepts we are covering in class and online. **NO** make-up quiz will be given. To compensate for this, I will drop your lowest quiz score. These quizzes will count for 12% of your grade.

Midterms: I will give three in class exams during the quarter. No notes will be allowed on any exams. These exams will be completed in class and will contain the materials covered in the lectures, online, and in the book. If you are unable to take an exam for any reason, **a makeup exam will not be given.** In the case of a documented emergency, I will replace a missing exam score with your final exam score. These exams will count for 50% of your term grade.

Final Examination: If you do not take the final exam, you **WILL NOT** receive a passing grade. There will be a comprehensive final examination on **Monday, March 26 from 1:45 pm - 03:45 pm.** This test will count for 25% of your term grade.

Grade Breakdown:

A+: 97 - 100%	B+: 87 - 88%	C+: 77 - 78%	D: 62 - 66%
A: 92 - 96%	B: 82 - 86%	C: 69 - 76%	D-: 60 - 61%
A-: 89 - 91%	B-: 79 - 81%	D+: 67 - 68%	F: < 60%

Important Dates:

- The last day to add classes is Saturday, January 20.
- The last day to drop for a full refund no record of grade is Sunday, January 21.
- The last day to request pass/no pass grade is Friday, February 2.
- The last day to drop with a “W” is Friday, March 2.

Tentative Schedule for Math 1A, Winter 2018

Week	Monday	Wednesday
1	January 8 Syllabus Section 2.1	January 10 Section 2.2
2	January 15 Martin Luther King's Birthday	January 17 Section 2.3 & 2.5
3	January 22 Section 2.6 & 2.7	January 24 Section 2.8
4	January 29 Exam 1 (Chp. 2)	January 31 Section 3.1 & 3.2
5	February 5 Section 3.3 & 3.4	February 7 Section 3.5*
6	February 12 Section 3.6 & 3.9	February 14 Section 3.10
7	February 19 Presidents' Day	February 21 Exam 2 (Chp. 3)
8	February 26 Section 4.1 & 4.2	February 28 Section 4.3
9	March 5 Section 4.4 & 4.5	March 7 Section 4.7
10	March 12 Section 4.8 & 4.9	March 14 Section 10.1 & 10.2*
11	March 19 Exam 3 (Chp. 4)	March 21 Review
12	March 26 Final Exam 1:45 – 3:45 pm	March 28 No class

Section 3.5* Include orthogonal trajectory problems #59–62
 Section 10.2* Omit integration

This syllabus is subject to change at the instructor's discretion.

Student Learning Outcome(s):

*Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.

*Evaluate the behavior of graphs in the context of limits, continuity and differentiability.

*Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.