

De Anza College

Math 1A - Calculus: Fundamentals of Differential Calculus

Instructor: Danny Tran Email: trandanny@deanza.edu

Class Time: (Section 5) Mon-Thur 1230pm - 245pm (S54)
(Section 7) Mon-Thur 3pm - 515pm (S54)

Office Hours: Wed 5:20pm - 6:20pm (E32A); Thur 11:30am - 12:15pm (E32A)

Textbook: Calculus Early Transcendentals 7thed. Stewart, CA Edition, ISBN 9780495988281
(This textbook is available at the student bookstore *with the online access code to WebAssign included, at a cheaper price than many online options*)

Prerequisite: Passing grade (C or better) in Math 43 or placement exam.

Student Learning Outcomes:

1. Analyze & synthesize the concepts of limits, continuity, & differentiation from a graphical, numerical, analytical & verbal approach, using correct notation & mathematical precision.
2. Evaluate the behavior of graphs in the context of limits, continuity & differentiability.
3. Recognize, diagnose, & decide on the appropriate method for solving applied real world problems in optimization, related rates & numerical approximation.

Related Materials: TI-83 PLUS, TI-84, or TI-84 PLUS graphing calculator recommended in class every day.

Attendance: Mathematics is a very demanding subject, ESPECIALLY during the summer quarter. As a result, regular (on time) attendance is extremely important. However, I realize that, on rare occasions, unforeseen circumstances may arise that will prevent you from attending class or will force you to be late to class. Attendance will be taken each and every day, and if you are absent 3 times during the quarter, you will be automatically dropped from the course. Also, you MUST be in attendance during the entire first week of classes to ensure that you are not dropped from the course.

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| Grading: | Group quizzes (3) | 12% |
| | Homework - Drop lowest section | 10% |
| | Classwork Worksheets - Drop lowest | 5% |
| | Exams (4) | 52% |
| | Final Exam | 21% |

WebAssign: This is the online program we will be using to complete homework assignments. You can either purchase it straight from the website or purchase a textbook from the De Anza bookstore, and WebAssign access will be included. If you opt not to pay for WebAssign & decide not to do the online homework, you can complete HW by hand and turn it in to me each Thursday. I will select a subset of the HW problems to grade.

Directions to Register for WebAssign (You will be able to do this starting June 29th)

1 - Go to <http://www.webassign.net>

2 - Click on "I Have A Class Key"

3 - Enter: (Section 5) **deanza 2571 9767**

(Section 7) **deanza 8625 8092**

Checking Your Grade: Using Google Drive, you will have access to your current grade. Simply email me at trandanny@deanza.edu with your Gmail address & a code name you would like to be identified as on the document. (The code name can be anything that does not reveal your true identity - it can be anything from your favorite computer gaming champion to your favorite European football team). I will then invite you to the document where you can see your grade on each of the class' assessments as well as what you need to earn during the remainder of the course in order to earn an A, B, or C in the course.

Class Conduct: Cheating is absolutely forbidden in my class. Looking at someone else's exam, helping another student during an exam, talking to anyone else except me during an exam, copying another student's work, or using an external source of information for which you were not explicitly given permission will result in disciplinary action. This disciplinary action might include anything from receiving 0 points on the exam to an F in the class. Cheating incidents will be reported to the Dean of Student Affairs. Also, I expect you to be respectful of your fellow students and of me. To that end, come to class on time, do not leave early unless you have that approved by me in advance, do not talk during class unless otherwise given permission, do not be disruptive, and pay attention during class.

Cell Phones: I realize that many of you feel the need to stay connected at all times. If you feel that you cannot turn off your cell phone during class, at the very least place your phone on vibrate and/or silent mode. If you receive a call, quietly step outside the classroom before answering the phone. Also, please do not text, at all, during class. Otherwise, you will be asked to leave.

Group Quizzes: There will be 3 group quizzes throughout the quarter. They will last approximately 1 hour. You are allowed to work with up to 2 other people during the group quiz. You must submit your own quiz. You are only allowed to use a pencil / pen, eraser, & graphing calculator. You may not make up a quiz after it has been administered, but you may take a quiz early if allowed by me. If you miss a group quiz, I will use your final exam score, minus 10%, as your group quiz score.

Exams: There will be 4 exams. They will last approximately 1 hr 30 min. You are allowed the use of a pencil / pen, eraser, graphing calculator, & a note card (that I will distribute to you, in class). You may not make up an exam after it has been administered, but you may take an exam early if allowed by me. If you miss an exam, I will use your final exam score, minus 10%, as your exam score.

My Expectations: Math 1A is an incredibly challenging course, so make sure you put yourself in the best situation to succeed by having terrific study habits. It is strongly recommended that you spend AT LEAST 13-18 hours / week, outside of class, studying for the course. Below is a list of tasks you can do in order to best succeed in this course:

- ✓ Attend every class
 - Arrive early and review your lecture notes before class begins
 - Take notes & ask questions
 - Work with students during the worksheet portion of class
- ✓ Preview each lesson by skimming the lesson for 10-15 min before class meets
- ✓ Review your notes after class, making sure you have understood the material
- ✓ Attend office hours
 - Compile a list of questions and/or problems to ask for help
- ✓ Form study groups to do homework, study for quizzes, exams, & the final

Get to Know your classmates:

Obtain the following information from 4 of your classmates:

Classmate 1:

Name:

Email:

Telephone #:

Classmate 2:

Name:

Email:

Telephone #:

Classmate 3:

Name:

Email:

Telephone #:

Classmate 4:

Name:

Email:

Telephone #:

Tentative Day-to-Day Schedule:

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| Jun 29 Intro, 2.1 | Jun 30 2.2, 2.3 | Jul 1 2.5, 2.6 | Jul 2 2.7, Group Quiz #1 |
| Jul 6 2.8, 3.1 | Jul 7 3.1, 3.2 | Jul 8 3.3, Exam #1 Review | Jul 9 3.3, Exam #1 |
| Jul 13 3.4, 3.5 | Jul 14 3.5, Group Quiz #2 | Jul 15 3.6, Exam #2 Review | Jul 16 3.9, Exam #2 |
| Jul 20 3.9, 3.10 | Jul 21 3.10, 4.1 | Jul 22 4.1, Exam #3 Review | Jul 23 4.2, Exam #3 |
| Jul 27 4.3, 4.4 | Jul 28 4.4, Group Quiz #3 | Jul 29 4.5, Exam #4 Review | Jul 30 4.7, Exam #4 |
| Aug 3 4.7, 4.8 | Aug 4 4.8, 4.9 | Aug 5 10.1, 10.2, Final Review | Aug 6 Final Exam |