

De Anza College

Math 1A - Calculus: Fundamentals of Differential Calculus

Instructor: Danny Tran Email: [trandanny@fhda.edu](mailto:trandanny@fhda.edu)  
Class Time / Location: Mon-Thur 12:30PM - 2:45PM (E32)  
Office Hours: Tue 11:30AM - 12:20PM (S43); Wed 5:15PM - 6PM (E32A)

Textbook: Calculus: Early Transcendentals 8<sup>th</sup> edition, James Stewart  
(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.

Attendance: Mathematics is a very demanding subject, ESPECIALLY during the summer quarter. As a result, regular (on time) attendance is extremely important. If you miss any class, make sure you are able to obtain the lecture notes from your classmate.

Grading:	Group Quizzes (2)	10%
	Homework - Drop Lowest Section	10%
	Classwork Worksheets	5%
	Daily Quizzes - Drop Lowest	10%
	Exams (3)	42%
	Final Exam	23%

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 July 3<sup>rd</sup>)

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

2 - Click on "I Have A Class Key"

3 - Enter: **deanza 8990 5756**

Checking Your Grade: Using Google Drive, you will have access to your current grade. Simply email me at [trandanny@fhda.edu](mailto:trandanny@fhda.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.

**Group Quizzes:** There will be 2 group quizzes, 70 min each. You are allowed to work with up to 2 other people during the group quiz. You must submit your own quiz. No notes or calculators. 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 are 3 exams, 2 hr 15 min each. You are allowed a note card (that I will distribute). No calculators. You may not make up an exam after it has been administered, but you may take an exam early if allowed. If your final exam % is greater than your worst exam %, your final exam % will replace your worst exam %.

**My Expectations:** Math 1A is a challenging course, so make sure you have 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

**Tentative Day-to-Day Summer '17 Math 1A Schedule:**

Monday	Tuesday	Wednesday	Thursday
July 3 Intro, 2.1	July 4 NO CLASS - Independence Day	July 5 2.2, 2.3	July 6 2.5, Group Quiz #1
July 10 2.6, 2.7	July 11 2.8, 3.1	July 12 3.2, Exam #1 Review	July 13 Exam #1
July 17 3.3, 3.4	July 18 3.4, 3.5	July 19 3.6, Exam #2 Review	July 20 Exam #2
July 24 3.9, 3.10	July 25 3.10, 4.1	July 26 4.2, Exam #3 Review	July 27 Exam #3
July 31 4.3, 4.4	Aug 1 4.4, 4.5	Aug 2 4.5, 4.7	Aug 3 4.7, Group Quiz #2
Aug 7 4.7, 4.8	Aug 8 4.9, 10.2	Aug 9 Final Review	Aug 10 Final Exam

**Get to Know your classmates:**

Obtain the following information from 3 of your classmates:

Classmate 1:

Classmate 2:

Classmate 3:

Name:

Name:

Name:

Email:

Email:

Email:

Telephone #:

Telephone #:

Telephone #: