

De Anza College, Summer 2015
Math 1A - Calculus I
Lecture: MTWTh: 5:30 – 7:45 p.m.
Room E-31

Instructor: Huong Le
Office: Room E-37
Office Hrs: TTh, 2:25 – 2:55 p.m.
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Course Description: Fundamentals of differential calculus.

Student Learning Outcomes (SLO's): After completion of this course, students will be able to:

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

Prerequisite: Mathematics 43 (with a grade of C or better), or appropriate score on Calculus Placement Test within the past calendar year. Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.

Materials:

- Use of **WebAssign** (<http://www.webassign.net>) is **required** in this course. You will submit most of your homework online using WebAssign. To access the class on WebAssign, you must purchase access code, either from De Anza book store or directly from the publisher's website, and self enroll. Go to <http://www.webassign.net>, click on "I Have a Class Key," enter the class key: **deanza 7022 9214**, and follow instructions on the screen.
- Graphing calculator (required): Calculators that does symbolic logic, such as TI 89 or 92, are not allowed to use on quizzes or exams.
- Textbook (optional): Calculus – Early Transcendentals by James Stewart, 7th ed.

*Note: An e-version (PDF) of the textbook is included with the purchase of WebAssign online access code. So, if you prefer, you can purchase only the online access code and read the textbook in PDF format. This provides cost savings, but you will not have access to the textbook without Internet access. Our De Anza bookstore sells the book with a WebAssign code at no additional cost. Our bookstore also sells codes without books. They also used books without codes. Students may also purchase codes online at www.webassign.net which includes access to the e-book.

Grading:

- **Homework (10%):** submitted via WebAssign once a week.
- **Quizzes (15%):** The quiz with the lowest score will be replaced with the average of the two midterms if that improves your grade.
- **Exams (45%):** There will be 2 midterms (22.5% each). Your lowest midterm score will be replaced with your final exam score if that improves your grade. You may be asked to show a photo ID when taking each exam.
- **Final Exam (30%):** Final exam is comprehensive and must be taken on the scheduled date. If you miss the final exam, you will not pass the class. You may be asked to show a photo ID when taking the final exam.

A+ 96 –100%	B 82 –85%	D+ 65 –67%
A 92 –95%	B-80 –81%	D 62 –64%
A-90 –91%	C+ 76 –79%	D-60 –61%
B+ 86 –89%	C 68 –75%	F 0 –59

Make-ups: No make-up assignments are allowed, except for WebAssign homework. You're allowed to make up any most recently past due WebAssign homework.

Attendance: Daily attendance is crucial to your understanding of the material. It is essential that you participate in class and regularly ask questions in order to succeed in this course and your future math courses.

If you are absent the first week of class and you do not contact me to explain your absence, I will drop you from the course. However, it is your responsibility to file the necessary paperwork with the registrar to drop the class. A student who discontinues coming to class and does not drop will get an F grade. I reserve the right to drop any student from the course due to lack of attendance. I may drop you from the class if you are absent for more than four consecutive days, or miss 2 major tests without notifying me in advance. Also, any student who is habitually disrupting class will be reported to the Dean and may be dropped from the class.

Accessibility Accommodations: If you have a documented disability and wish to discuss academic accommodations, please contact Disability Support Services (<http://www.deanza.edu/dss/>) as soon as possible. Students with disabilities needing accommodation should speak with the Accessibility Services. For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) see contacts below:

Disability Support Service (DSS): Student Services Building (408) 864-8753; TTY 408) 864-8753
 Educational Diagnostic Center (EDC): Learning Center West 110; (408) 864-8839
 Special Education Division: 864-8407; www.deanza.edu/specialed.

Academic Dishonesty policy: Incidents of cheating are taken very seriously in the Math Department at De Anza. Cheating is absolutely forbidden. Looking at someone else's exam/quiz, helping another student during an exam/quiz, talking to anyone except me during an exam/quiz, or using an external source of information for which you were not explicitly given permission, is considered cheating and will result in an F grade for the assignment. Cheating incidents will also be reported to the Dean of PSME and Dean of Students.

Electronic Devices -cell phones, laptops, iPads, iPods, etc.:

- Please silence all cell phones or turn them off when in class. If you need to use your phone because of an emergency, please quietly step out of class.
 - Please do not use laptops or text on your cell phone during class.
 - Please do not listen to music during class.
- *Each time you fail to follow any of these rules you may be asked to leave class.

Additional Notes:

- On test day, you may be assigned a seat different from the one you are used to sitting in. Cell phone usage of any kind is not allowed during tests and quizzes (it's considered cheating if you use your cell phone while taking tests/quizzes). During tests and quizzes, I may walk around and look at your desk. Please do not let this bother you.
- No extra credit assignments will be given. Final grades are not negotiable.

Tentative Schedule

Sections to be covered: 2.2, 2.3, 2.5, 2.6, 2.1, 2.7, 2.8, 3.1, 3.2, 3.4, 3.3, 3.5, 3.6, 3.9, 4.1, 4.3, 4.7, 4.4, 4.5, 4.6, 3.10, 4.2, 4.8, 4.9, 10.1, 10.2 (differentiation only)

Week 1: sec. 2.2, 2.3, 2.5, 2.6, 2.1; **Quiz #1**

Week 2: sec. 2.7, 2.8, 3.1, 3.2, 3.4; **Exam #1**

Week 3: sec. 3.3, 3.5, 3.6, 3.9, 4.1; **Quiz #2**

Week 4: sec. 4.3, 4.7, 4.4, 4.5, 4.6; **Exam #2**

Week 5: sec. 3.10, 4.2, 4.8, 4.9; **Quiz #3**

Week 6: sec. 10.1, 10.2; **Final Exam**