De Anza College, Winter 2018
Math 1A, sec. 25 – Calculus I
Lecture: MW, 4:00 – 6:15 p.m.
Room: ADM 101

Instructor: Huong Le
Office: Room E-37
Office Hrs: MW, 3:00 – 3:50 p.m.
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Course Description: Fundamentals of differential calculus.

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 your homework online through 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 3932 7004**, 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, 8th 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 online in PDF format.

Grading:

- **Homework (10%):** Submitted online through WebAssign.

- **Quizzes (10%):** Quizzes are open notes and unannounced ahead of time. Quizzes can be given at any time on any class day. None of the quizzes will be dropped. No make-up quizzes are allowed.

- **Exams (55%):** There will be 3 midterm exams. All exams are closed notes and closed books. The exam with the lowest score will be replaced by your final exam score if that improves your grade. You're allowed to make 1 exam (except the 4th exam) with 5% penalty. If you miss an exam, you have to make it up the next class day. You may be asked to show a photo ID when taking each exam.

- **Final Exam (25%):** Final exam is comprehensive and **must be taken on the scheduled date and time (Tuesday, 12/13, 1 – 3:00 pm).** If you miss the final exam, you will receive an "F" grade for the course. You may be asked to show a photo ID when taking the final exam.

A+	97 – 100%	B	81 – < 86%	D+	67 – < 69%
A	91 – < 97%	B-	79 – < 81%	D	61 – < 67%
A-	89 – < 91%	C+	77– < 79%	D-	59 – < 61%
B+	87 – < 89%	C	69 – < 76%	F	< 59%

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. I may drop you from the class if you are absent for more than four consecutive class days, or miss 2 midterm exams without notifying me in advance. However, do not assume that I will drop you if you

discontinue coming to class; 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.

Important dates: For more information on dates and deadlines, visit http://www.deanza.edu/calendar/winterdates.html

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. Using a cell phone during exam is considered cheating. 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.
- If you constantly using your cell phone during lecture, 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. During tests and quizzes, I may walk around and look at your desk. Please do not let this bothers you.
- There will not be any extra credit assignment.
- There is no re-take on any exam.
- There are no test corrections for additional credit.

Tentative Schedule

Sections to be covered: sec. 2.1 – 2.3, 2.5 – 2.8, 3.1 – 3.6, 3.9, 3.10, 4.1 – 4.5, 4.7 – 4.9, 10.1, 10.2 (differentiation only)

Week 1 (1/8 – 1/14): sec. 2.2, 2.3, 2.5

Week 2 (1/15 – 1/21): 2.6, 2.1,
Monday, 1/15: MLK's birthday – No Class
Saturday, 1/20: Last day to add
Sunday, 1/21: Last day to drop for a refund and with no grade recorded

Week 3 (1/22 – 1/28): sec. 2.7, 2.8, 3.1

Week 4 (1/29 – 2/4): sec. 3.2, 3.4
Monday, 1/29: Exam #1

Week 5 (2/5 – 2/11): sec. 3.3, 3.5, 3.6

Week 6 (2/12 – 2/18): sec. 3.9, 3.10, 4.1

Week 7 (2/19 – 2/25): sec. 4.2, 4.3
Monday, 2/19: Presidents' Day weekend – No Class

Week 8 (2/26 – 3/4): sec. 4.4
Wednesday, 2/28: Exam #2
Friday, 3/2: Last day to drop with a "W"

Week 9 (3/5 – 3/11): sec. 4.5, 4.7, 4.8

Week 10 (3/12 – 3/18): sec. 4.9, 10.1

Week 11 (3/19 – 3/25): sec. 10.2
Wednesday, 3/25: Exam #3

Week 12 (3/26 – 3/31): **Wednesday, 3/28: Final Exam (4 – 6pm)**

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.