

De Anza College, Winter 2016
Math 12, sec. 63
Lecture: TTh: 6:30 – 8:45 p.m.
Room S-54

Instructor: Huong Le
Office: Room E-37
Office Hrs: TTh, 5:20 – 6:20 p.m.
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Course Description: Introduction to limits, differentiation, and integration of single variable functions. Differentiation of multivariate functions. Applications in business, economics, and social science.

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

1. Use correct notation and mathematical precision in the evaluation and interpretation of derivatives and integrals
2. Evaluate, solve, interpret, and communicate business and social science applications using appropriate differentiation and integration methodologies.

Prerequisite: Math 11 (Finite Math) or Math 41 (Pre-calculus I)

Materials:

- Use of **WebAssign** (<http://www.webassign.net>) **is required** in this course. You will submit 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. Got to <http://www.webassign.net>, click on "I Have a Class Key," enter the class key: **deanza 7795 8022** and follow instructions on the screen.
- **Graphing calculator (recommended):** Calculators that does symbolic logic, such as TI 89 or 92, are not allowed to use on quizzes or exams.
- **Textbook (optional):** Applied Calculus for the Managerial, Life, and Social Sciences, 10th Ed., by Soo Tan

**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 sell 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%):** 5 in-class quizzes will be given. The quiz with the lowest score will be dropped. Second lowest quiz will be replaced with the average of the three midterms (if that improves your grade).
- **Exams (45%):** There will be **3 one-hour midterms** (15% each). Your lowest exam 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 – 78%	D-	60 – 61%
B+	86 – 89%	C	68 – 75%	F	0 – 59%

Make-ups: You're allowed to make up **one quiz** and **one midterm** with an 8% penalty. **The 3rd and final exam cannot be made up.** For WebAssign homework, you're allowed to make up any most recently past due assignment.

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

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 cell phone or 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 lecture.
- 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. During tests and quizzes, I may walk around and look at your desk. Please do not let this bother you. No extra credit assignment will be given.

Tentative Schedule

Sections to be covered: 2.4, 2.5, 2.6, 3.1 – 3.6, 4.1 – 4.5, 5.1 – 5.6, 6.1 – 6.5, 6.7 (consumer/producer surplus), 8.1, 8.2, 8.3

Optional sections: 7.1, 7.4, 7.5, 8.5, 8.6

Week 1 (1/5, 1/7): sec. 2.4, 2.5, 2.6

Week 2 (1/12, 1/14): sec. 3.1, 3.2, 3.3, 3.4; **Thurs – Quiz #1**

Week 3 (1/19, 1/21): sec. 3.5, 3.6, 4.1; **Thurs – Quiz #2**

Week 4 (1/26, 1/28): sec. 4.2, 4.3; **Thurs – Exam #1**

Week 5 (2/2, 2/4): sec. 4.4, 4.5, 5.1

Week 6 (2/9, 2/11): sec. 5.2, 5.3, 5.4; **Thurs – Quiz #3**

Week 7 (2/16, 2/18): sec. 5.5, 5.6, 6.1; **Thurs– Quiz #4**

Week 8 (2/23, 2/25): sec. 6.2; **Thurs – Exam #2**

Week 9 (2/1, 3/3): sec. 6.3, 6.4, 6.5

Week 10 (3/8, 3/10): sec. 6.7, 8.1, 8.2; **Thurs– Quiz #5**

Week 11 (3/15, 3/17): sec. 8.3; **Thurs – Exam #3**

Week 12 (3/22, 3/24): Finals week; **Thurs, 3/24 – Final Exam (6:15 – 8:15 pm)**