Math 1A Course Syllabus
De Anza College
Summer 2017

Instructor: Usha Ganeshalingam   **Office:** S76B
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Course: Calculus I; Math 1A.03

Meets: M-Th 10:00 am-12:15 pm in G5.

Course Description: Fundamentals of differential calculus.

Student Learning Outcomes:

(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.

Prerequisites: Math 43 or equivalent with a grade of C or better, or appropriate score on Calculus Placement Test within the past calendar year.

Required Materials: *Calculus-Early Transcendentals*; 8th edition, by James Stewart. A TI-83, TI-84 or TI-86 graphing calculator is required for this class. A TI-89 or any similar symbolic calculator will not be allowed on exams.

Optional Material:(Strongly recommended) Course notes for the quarter may be purchased in the De Anza College Bookstore. The notes contain all the material and examples that we will cover during lecture for the entire quarter.

WebAssign: All homework will be done online using WebAssign. You will need to register at *www.webassign.net* to use this internet-based software. You will need the class key given below in order to self register.

Class Key: deanza 6287 5983

Grading:

Exams	300 Points
Homework	50 Points
Final	150 Points
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Total	**500 Points**

Grade Breakdown:

A+: 97-100%	B+:87-88%	C+: 77-78%	D: 62-66%
A: 92-96%	B: 82-86%	C: 69-76%	D-: 60-61%
A-: 89-91%	B-: 79-81%	D+: 67-68%	F: $< 60\%$

Exams: There will be 3 in class exams. Each exam is worth 100 points. They will be closed book and closed notes. No make-ups will be allowed. In the case of a documented emergency, I will replace a missing exam score with the corresponding portion of your final grade. On exam days, you MUST bring official ID (driver's license or other government issued ID, cannot be your student ID) to class with you in order to take the exam.

Homework: Homework assignments will be submitted via WebAssign. You get 5 attempts for each homework problem. See the course calendar for tentative due dates. All homework must be submitted by 10 pm on the due date. There will be a total of 10 homework assignments, with each assignment worth 5 points. If you have questions on homework, DO NOT message me through WebAssign. Use the email address provided on the syllabus.

Final Exam: The final exam will be comprehensive and will be given on *Thursday, August* 10th from 10 am-12:15 pm. The final exam must be taken at the scheduled time.

Student Conduct: There shall be no talking to, or unauthorized helping of other students during any exam or quiz. You may not share calculators during exams or quizzes. All electronic devices other than a calculator must be put away during quizzes and exams. An exam/quiz grade of a zero, or course grade of F may be given for any of the above infractions. Any student found cheating on an exam or quiz will not be allowed to retake that an exam or quiz and cannot use the final exam to replace their zero.

Important Dates:
- The last day to add classes is July 9th.
- The last day to drop for a full refund is July 5th.
- The last day to drop with a "W" is August 2nd.

Wk	Monday	Tuesday	Wednesday	Thursday	Friday
1	3-Jul *Introduction* 2.1 2.2	4-Jul *4th of July* *No Class*	5-Jul 2.2 2.3	6-Jul 2.3 2.5 *HW 1 due(2.1,2.2)*	7-Jul
2	10-Jul 2.5 2.6	11-Jul 2.7 2.8 *HW 2 due(2.3,2.5)*	12-Jul 3.1 3.2	13-Jul 3.2 ***Exam 1*** *HW 3 due(2.6-2.8)*	14-Jul
3	17-Jul 3.3	18-Jul 3.4 *HW 4 due(3.1-3.3)*	19-Jul 3.5 3.6	20-Jul 3.6 *HW 5 due(3.4,3.5)*	21-Jul
4	24-Jul 3.9	25-Jul 3.9 3.10	26-Jul 4.1	27-Jul 4.2 ***Exam 2*** *HW 6 due(3.6,3.9,3.10)*	28-Jul
5	31-Jul 4.3	1-Aug 4.4 4.5 *HW 7 due(4.1-4.3)*	2-Aug 4.5 4.7	3-Aug 4.7 4.8	4-Aug
6	7-Aug 4.9 10.1 *HW 8 due(4.4,4.5,4.7)*	8-Aug 10.1 ***Exam 3*** *HW 9 due(4.8,4.9)*	9-Aug 10.2	10-Aug ***Final Exam*** *HW 10 due(10.1,10.2)*	8-Aug