Math 1A Course Syllabus
De Anza College
Spring 2017

Instructor: Usha Ganeshalingam   **Office:** S76B
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Office Hours: M,Th 12:30-1:10 pm in S76B
              Tu, Th 4-5 pm by email

Course: Calculus I; Math 1A.07

Meets: M-F 11:30am-12:20 pm in E32.

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. Many students find that the notes are useful because they have less writing to do during class and can focus on concepts and working out examples rather than copying them down.

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 9129 9110

Attendance: You are expected to attend every lecture. You may be dropped from the class if you miss any classes during the first 2 weeks of the quarter.

Grading:

Exams	300 Points
Homework	50 Points
Quizzes	100 Points
Final	150 Points
Total	**600 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. If you take all 3 exams, the final exam percent will replace your lowest exam score, if your final exam score is higher.

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 11:30 am on the due date. There will be a total of 10 homework assignments, with each assignment worth 5 points.

Quizzes: There will 6 in-class quizzes, each worth 20 points. The lowest quiz score will be dropped. No make-ups will be allowed. If you know that you will be absent, see me about taking the quiz earlier than scheduled. See the course calendar for tentative quiz dates.

Final Exam: The final exam will be comprehensive and will be given on *Monday, June* 26th from 11:30am-1:30 pm. The final exam must be taken at the scheduled time.

Student Conduct: Cheating is forbidden. 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 Saturday, April 22nd.
- The last day to drop for a full refund is Sunday, April 23rd.
- The last day to drop classes with no record of a grade is Sunday, April 23rd.
- The last day to drop with a "W" is Friday, June 2nd.

Wk	Monday	Tuesday	Wednesday	Thursday	Friday
1	10-Apr Introductions	11-Apr Chapter 1	12-Apr 2.1	13-Apr 2.2	14-Apr 2.2
2	17-Apr 2.3 **Quiz 1(2.1-2.2)** HW 1 due(2.1-2.2)	18-Apr No Class	19-Apr 2.3	20-Apr 2.4	21-Apr 2.5
3	24-Apr 2.5	25-Apr 2.6	26-Apr 2.6 **Quiz 2(2.3-2.5)** HW 2 due(2.3-2.5)	27-Apr 2.7	28-Apr 2.8
4	1-May 2.8 Exam Review	2-May **Exam 1(Ch 2)** HW 3 due(2.6-2.8)	3-May 3.1	4-May 3.2	5-May 3.3
5	8-May 3.3	9-May 3.4	10-May 3.4 **Quiz 3(3.1-3.3)** HW 4 due(3.1-3.3)	11-May 3.4	12-May 3.5
6	15-May 3.5	16-May 3.6	17-May 3.6 **Quiz 4(3.4-3.5)** HW 5 due(3.4-3.5)	18-May 3.6	19-May 3.9
7	22-May 3.9/3.10	23-May 3.10	24-May 3.10 Exam Review	25-May **Exam 2(Ch 3)** HW 6 due(3.6,3.9,3.10)	26-May 4.1
8	29-May **Memorial Day** **No Class**	30-May 4.1	31-May 4.2	1-Jun 4.3	2-Jun 4.3
9	5-Jun 4.4	6-Jun 4.4 **Quiz 5(4.1-4.3)** HW 7 due(4.1-4.3)	7-Jun 4.5/4.6	8-Jun 4.5/4.6 4.7	9-Jun 4.7
10	12-Jun 4.8 **Quiz 6(4.4-4.7)** HW 8 due(4.4-4.7)	13-Jun 4.8 4.9	14-Jun 4.9	15-Jun 4.9 Exam Review	16-Jun **Exam 3(Ch 4)** HW 9 due(4.8-4.9)
11	19-Jun 10.1	20-Jun 10.1 10.2	21-Jun 10.2	22-Jun 10.2 Final Review	23-Jun Final Review
12	26-Jun **Final Exam** **11:30am-1:30pm** HW 10 due(10.1-10.2)	27-Jun	28-Jun	29-Jun	30-Jun