

Math 1A Course Syllabus
De Anza College
Fall 2015

Instructor: Usha Ganeshalingam

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

Office: S76B

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Course: Calculus I; Math 1A.09

Meets: M-F 11:30am-12:20 pm in E36.

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.

Required Materials: The required text for our class is *Calculus-Early Transcendentals*; 7th 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: 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 5297 4391

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
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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. See the course calendar for tentative due dates. All homework must be submitted by 11:59 pm on the due date. There will be a total of 10 homework assignments, with each assignment worth 5 points.

Quizzes: There will be 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, December 7th* from 11:30am-1:30 pm. The final exam must be taken at the scheduled time.

Important Dates:

- The last day to add classes is Saturday, October 3rd.
- The last day to drop for a full refund is Sunday, October 4th.
- The last day to drop classes with no record of a grade is Sunday, October 4th.
- The last day to drop with a "W" is Friday, November 13th.

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