

MATH 1A.12 – Fall 2019  
CALCULUS I  
CRN 22045, Classroom MCC-12  
MTWThF 12:30 –1:20 PM

**Instructor:** Ms. S. Arabhi (pronounced AA-rub-hee)

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**Office Hours:** L32: Monday: 11:50 AM to 12:20 PM; Thursday & Friday: 11:20 AM to 12:20 PM

**Prerequisite:** Math 43 with a grade of C or better, or equivalent placement.

**Required material:**

- 1) Calculus: Early Transcendentals (8<sup>th</sup> edition) by James Stewart
- 2) Scientific Calculator
- 3) Graphing calculator (TI-83/ TI 84).  
[You may not use any calculators which do symbolic mathematics (eg. TI-89/92/Nspire)] {Cell Phone/ipad/smart watch calculators should never be used in class}
- 4) Webassign is NOT REQUIRED in my class. If you have a Webassign access code, course key to access online book is: deanza 6900 8362

**CONSIDERATIONS BEFORE BUYING BOOK:**

The format in which you purchase your textbook is your decision – print (new or used 8th edition) or e-book. When deciding, please be aware that a subsequent instructor may require webassign for Math 1B, Math 1C, 1D.

It may be preferable to buy a textbook at the De Anza bookstore new with Webassign code included at no extra cost or buy ebook with access code, rather than to buy a book without a code; it may be cheaper in the long run to avoid purchasing an expensive Webassign code separately in a later quarter. Please think carefully about the pros and cons of the various options when deciding what to buy.

**Course Objectives:** (This is not an exhaustive list.)

To review selected topics in Pre-calculus. To learn the concepts and techniques of differential calculus and use them in solving applied problems. To study limits, continuity, differentiation and application of the derivative. Chapters 1, 2, 3, 4, 10.

**Homework:**

- Reading assignments & problems from the text will be assigned in every class and it is your responsibility to solve the problems and keep a written record. We will discuss solutions to some problems, but not all.
- Written Homework will be due when I **finish some sections in a chapter**. You are encouraged to work in groups, but do not copy each other's work. There is NO ONLINE homework in my class, but if you have a WebAssign code, you can practice problems on your own and you will have access to the e-book. The code for my class in WebAssign is **deanza 6900 8362**
- Each section will be worth 2 points. NOTE that in the written homework, answers must have supporting work to receive credit! (Answers alone will receive a 0 score.)
- I will not accept homework on paper torn from spiral notebooks. Also, staple or use paper clips to hold your work together. Please do not fold the corners. LATE OR ILLEGIBLE HOMEWORKS WILL NOT BE ACCEPTED.
- Please also go over the **Homework Dos and Don'ts** handout thoroughly. Please find out about any missed work, assigned homework from canvas or a friend, if you are absent from class.

Please do not ask me.

- **Quizzes:**

There will be a quiz every Friday at the end of class (10 -15 minutes) related to the material taught the previous Friday, Monday, Tuesday, Wednesday, and Thursday. Do your reading and homework everyday, to fair well in these quizzes. Don't miss any of these since there will be NO MAKE-UP quizzes. I will drop two lowest quiz grades at the end of the semester, so if you are absent during a quiz, the absent quiz could be your dropped quiz.

- **Exams:**

Exams are primarily based on homework, problems from quizzes, and solved problems in the textbook. So the best way to prepare for exams is to sincerely do all the homework, read the book, learn from your mistakes in the quizzes, and clear all your doubts as soon as you can. There will be four written exams (50 minutes) and a final exam (2 hours). **THERE ARE NO MAKE-UPS for EXAMS**. However, I will drop worst of four exams. It is your responsibility to let me know as soon as possible (within 24 hours) if you are going to miss an exam (via phone, e-mail, note, in-person, etc) and provide "valid" reason and documentation for the absence. **FINAL EXAM IS SCHEDULED FOR Wednesday, December 11th from 11:30 AM to 1:30 P.M. Final exam is mandatory and will not be one of the dropped exams**, and if you cannot take the final exam at the scheduled time and date, please do not enroll in this class. The final exam will be CUMULATIVE, i.e. it will contain everything covered during the course. **Please refrain from wearing hats/ caps to exams and quizzes.**

**Class Participation & Attendance:**

Attendance is strongly emphasized and class participation is actually part of your course grade. There will be pop/surprise quizzes at any time/any day. Study everyday and be ready with any questions you have. I always encourage class discussions. My classes always begin promptly, so I ask that you be on time. Students who attend regularly and show up on time to my classes are almost always successful. I may drop a student from the class if they are absent 4 or more times, or miss a major exam. (But do not assume if you stop coming to class, you will automatically be dropped. You are responsible for dropping yourself out of this class). I will also drop any student who, in my judgment, is habitually disrupting the class. Please switch off all noise making devices and wait to text until after the class ends.

**Grading:**

Class Participation	15 Points	M, T, W, Th, F
Quizzes (10 points each)	80 Points	(almost) Every Friday (end of class)
Homework (2 points per section)	60 Points	Due after a few sections are completed
Special Quiz (10 points each)	40 Points	See calendar
Extra credit Pop quizzes	Up to 40 points	Any day, any time during class
Exam 1	50 Points	FRIDAY, OCTOBER 4 <sup>th</sup>
Exam 2	50 Points	TUESDAY, OCTOBER 15 <sup>th</sup>
Exam 3	50 Points	TUESDAY, NOVEMBER 5 <sup>th</sup>
Exam 4	50 points	TUESDAY, NOVEMBER 26 <sup>th</sup>
Final Exam	100 Points	WEDNESDAY, DECEMBER 11 <sup>th</sup> 11:30 AM to 1:30 PM MCC-12

**Total Points:** 445 to 495

\* IF YOU MISS ANY CLASS, LOOK IN CANVAS or ASK YOUR CLASSMATES FOR THE MISSED WORK. PLEASE DO NOT ASK ME. \*

**Letter Grade:** I do not curve. Course grades will be determined on a standard scale:

≥ 97 %	→ A+	94 - 96.9%	→ A	90 - 93.9%	→ A-
87 - 89.9%	→ B+	84 - 86.9%	→ B	80 - 83.9%	→ B -
77 - 79.9%	→ C+	70 - 76.9%	→ C		
67 - 69.9%	→ D+	64 - 66.9%	→ D	60 - 63.9%	→ D -
≤ 59.9%	→ F				

Additional NOTES:

- Last day to **drop class** with a full refund and with no record of grade is **Sunday, October 6<sup>th</sup>**.
- The deadline for dropping with a “W” is **Friday, November 15<sup>th</sup>**. In every case, a student is responsible for dropping him/herself. You should not assume that you are automatically dropped from the class for non-attendance. Students on the final grade roster who have not dropped, and who do not show up for the final exam, automatically receive an F in the course.
- **Last day to add** is Saturday, October 5<sup>th</sup>.
- **Zero Tolerance policy towards Cheating**  
Cheating on any exam/quiz/ HW assignment/tutorial may result in an F grade for the course and is absolutely prohibited in my class! Looking at someone else's exam, helping another student during an exam, talking to anyone except me during an exam, or using an external source of information for which you were not explicitly given permission, will result in an instructor drop or an F grade for the course. Cheating incidents will also be reported to the Dean of Students. I will be extremely strict about not allowing any sort of electronic devices including cell phones, laptops etc during exams, quizzes. Also, please do not wear earphones/ hats/ sunglasses to quizzes and exams.
- **College Policy:** Students cannot take the same class more than three times for a grade, including W. Late adds and drops will not be processed.

**Additional Assistance:**

**The key to being able to take advantage of any of these services is to be quick to recognize your need for assistance. It is always better to seek help sooner rather than later.**

- 1) The Math, Science & Technology Resource Center (MSTRC) in S43 provides assistance M-Th: 830 AM to 630 PM and F: 8:30 AM to 12:30 PM.
- 2) Your classmates: Many students find informal study partnerships and groups to be most helpful in learning math. I recommend that you study with others in this class. The effort to meet someone in class is worthwhile.
- 3) **SEE ME DURING OFFICE HOURS:** Please feel free to ask me questions during class time or fix appointments outside class timings. I'll give you as much direction and assistance as I can, and refer you to additional resources as needed. **Do not wait until you are drowning to get help.**

- 4) Student Success Center: See <http://www.deanza.edu/studentsuccess/> for online tutoring, workshops and much more. CANVAS also has online help.
- 5) Any student with a documentable disability who needs academic accommodations should contact:
  - a) Disability Support Services (DSS): Student Services Building (408) 864 8839
  - b) Educational Diagnostic Center (EDC): Learning Center West 110; (408) 864 8839
  - c) Special Education Division: 864 8407; [WWW.deanza.edu/specialed](http://www.deanza.edu/specialed)

## 6) Cell phone, smart watch and other device policy

- Have to be stowed away and out of sight. Have to be completely silent, not even in vibrate mode. *No headphones allowed in class.* They should never be seen while class is in session. Please switch off your cell phones / beepers before entering the class out of courtesy to others.
- You will be given 2 warnings, after which I will take off 2 points every time.
- You may go outside the class anytime to use your cell phone
- During exams, if you have to go outside the classroom, hand in the cell phone to me first.
- If your phone sounds during a quiz or exam, this will be an indication that you are done with the quiz or exam and you risk having your paper taken from you.

### **Contract**

One purpose of this course syllabus is to provide you with the guiding principles upon which the class runs, and another is to make sure that you have at your finger tips answers to any questions which might arise.


Please put this sheet in a safe place where you can easily refer to it.

**Make sure you read the syllabus in its entirety before you ask me any questions about the course.**

## USEFUL TIPS:

1. Education is a gift, an opportunity, not a guarantee. When you feel like giving up, carefully organize your rationalizations and excuses on a piece of paper. When your list is complete, burn the paper! Then **keep working** on ...
2. Minimize your dependence on published answers at the back of the book/ internet. Learn to verify your answers by checking your solutions or by working the problem two different ways (perhaps numerically and algebraically). You will NOT have an answer key during examinations, nor at work, so **develop self-reliance**.
3. Students often fall into the trap of thinking that if they have done all the homework (often by looking at the answers and working backwards, or by plugging in numbers in similar problems), that they have mastered the material. With luck, this level of effort alone might earn a 'C' grade. Serious students do enough additional homework problems to evoke a feeling of **smug confidence**.
4. Be sure to quickly scan-read each section taught the previous day before coming to class. You can then spend far less time taking notes, concentrate more on what is said, and ask lots of questions.
5. Once class starts, all conversations among students must stop. Except when we are working in groups, only one person will speak, and everyone else will listen.
6. You will never be penalized for being late. But please be respectful and mindful to your fellow classmates and teacher in case you do get late, and quietly take a seat without making conversation with anyone. There will be no retakes of pop quizzes if you miss them due to being late.

## MATH 1A CALENDAR

<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>	<b>Week</b>
September 23 First day	24	25	26	27 QUIZ 1	1
30	October 1	2	3 QUIZ 2	4 EXAM 1	2
7	8	9	10	11 QUIZ 3	3
14 SPECIAL QUIZ 1	15 EXAM 2	16	17	18 QUIZ 4 Deadline to request pass/no pass	4
21	22	23	24	25 QUIZ 5	5
28	29	30	31 	November 1 QUIZ 6	6
4 SPECIAL QUIZ 2	5 EXAM 3	6	7	8 QUIZ 7	7
11 Veteran's Day Holiday	12	13	14	15 QUIZ 8 Last day to drop w/ "W"	8
18	19	20	21	22 QUIZ 9	9
25 SPECIAL QUIZ 3	26 EXAM 4	27	28 Thanksgiving Holiday	29 Thanksgiving Holiday	10
December 2	3	4	5	6 QUIZ 10 SPECIAL QUIZ 4 Last class	11
9	10	11 FINAL EXAM 11:30 to 1:30	12	13	12

Saturday, October 5<sup>th</sup>: Last Day to ADD

Sunday, October 6<sup>th</sup> : Last day to DROP for a full refund and no record of grades



**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

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