Instructor: Amanda Lien
Office: S75b
Office Hours: MTWTh 10:30-11:20am on Zoom – https://cccconfer.zoom.us/j/160467476
Email: lienamanda@fhda.edu

MATH 1A: Calculus I • Sec 01 • Spring 2020

Synchronous and Asynchronous Learning on Canvas • MTWThF 7:30-8:20AM

COURSE DESCRIPTION

Fundamentals of differential calculus. (5 units)

PREREQUISITE

MATH 43 (with a grade of C or better), or appropriate score on Calculus Placement Test within the past calendar year. Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

REQUIRED MATERIALS

- WebAssign access code
- Graphing calculator (TI-83/TI-83 Plus/TI-84/TI-84 Plus)
- Pencils, erasers, colored pens, paper, ruler/straight-edge
- Lecture notes printed/downloaded to use with each video lecture

E-BOOK (AVAILABLE WITH WEBASSIGN HOMEWORK)

- *Calculus Early Transcendentals* by James Stewart, 8th edition ISBN: 978-1337494748

IMPORTANT DATES*

Friday, April 17	Quiz #1
Friday, April 24	Quiz #2
Saturday, April 25	Last day to add quarter-length classes
Sunday, April 26	Last day to drop with no record of grade
Friday, May 1	**Midterm #1 (Ch 2) 7:30-8:20AM**
Friday, May 8	Quiz #3 Last day to request pass/no pass grade
Friday, May 15	Quiz #4
Friday, May 22	**Midterm #2 (Ch 2-3) 7:30-8:20AM**
Monday, May 25	No class (Memorial Day Holiday)
Friday, May 29	Quiz #5
Friday, June 5	Quiz #6 Last day to drop with a "W"
Friday, June 12	**Midterm #3 (Ch 3-4) 7:30-8:20AM**
Friday, June 19	Quiz #7
Monday, June 22	**Final Exam 7:00-9:00AM (Ch 2-4)**

* Midterm dates and coverage are subject to change. Final exam date/time is fixed. I will communicate any changes via email.

How will we learn math online?

This course will rely heavily on the use of Canvas (https://deanza.instructure.com/). It is going to be a combination of *synchronous* and *asynchronous* learning. It is synchronous in that you are expected to take all quizzes and midterms during the scheduled class time of 7:30-8:20am on Fridays. If you know right now that you will not be able to commit to that specific time, you must drop this class. Make-up quizzes/exams will not be offered.

The rest of the course will be considered asynchronous so that you are not expected to be present at 7:30am to watch the videos of the lectures. I will pre-record the lessons on Zoom for each week and post the links on Canvas. Although you will be able to watch the videos at your own time and pace, you are expected to complete them in a timely manner so that you are ready to take the quiz/midterm at the end of each week on Friday. It is very easy to fall behind in an online class, so you are encouraged to set aside at least 1 to 2 hours each day to dedicate to this class (0.5 to 1 hour to watch the video and another hour to practice by doing homework problems on WebAssign).

How do I access my homework assignments?

Homework will be assigned through WebAssign. You will access each homework assignment by clicking on the links on Canvas. You are permitted up to five (5) submissions for each problem. If you use up all five submissions, I am not able to grant extra submissions. WebAssign will mark each problem as correct (green check mark) or incorrect (red x). If you find that you have used three submissions and your answer is still incorrect, you should reach out to me as soon as possible to ask questions. I will be able to help guide you through the problem.

The homework will be based on the sections that I cover in the videos for each week. You should watch the videos before starting the homework as I may offer hints and tips. The links for the homework will be available to you starting Monday of each week and are due the following week on Wednesday at 11pm. This gives you plenty of time (about ten days) to work on each week's homework assignments and to ask any questions. Please note that although you are given ten days to submit the assignments, you should not wait until the last minute to start them. In fact, it would be better if you can get most of them done by the end of the week so that you will have practiced similar problems that may appear on your weekly quiz. Please pay careful attention to due dates. I will not accept late work for any reason and am not able to grant extensions.

You are able to still access the homework assignments after the due date as well as view the answer key. To access previous homework assignments, you will need to click on the link for that assignment on Canvas. While you are not able to change your score after the due date, you can still practice working on these problems to prepare for quizzes and exams.

WebAssign offers two purchasing options: Single Term or Multi Term (lifetime of edition)

The single term option costs $100 and may be used for one quarter and the multi-term option costs $125 and may be used for lifetime. The multi term option is best for students who plan to continue taking Math 1B, 1C, and/or 1D at De Anza with instructors who use WebAssign. You will be able to use WebAssign's trial period for free during the first two weeks of the quarter. After two weeks, you are required to purchase access so that you may continue to do the homework online. I will not be able to accept any other form of homework, so please make sure that you are able to use WebAssign if you plan to stay enrolled in this course.

However! You are eligible for **FREE** access to WebAssign and our eBook for the Spring 2020 quarter due to the current situation. When you sign in, click Start Trial in the sidebar. After 14 days, the trial will "end," but you can continue to click Start Trial to reactivate your account. Please follow this link for more information: http://embed.widencdn.net/pdf/plus/cengage/tkbyycgpir/cu-covid-start-strong-free-trial-flyer-1348236.pdf

How will I ask you questions if I need clarification on the homework and/or video lectures?

There are three ways for you to reach me: office hours, email, and Canvas Discussion board

1. I will be available for online office hours each week on Monday through Thursday from 10:30am-11:20am. Use this link during that time frame to chat with me: https://cccconfer.zoom.us/j/160467476

   I have chosen to enable the use of "waiting rooms" in Zoom office hours so that each student may privately speak to me during office hours. If you see that you are in the waiting room, please wait for me and I will be with you as soon as I am done helping the previous student(s). You are not expected to use your webcam during office hours, but it is helpful if you can use the microphone feature to talk to me. Zoom also offers a chat feature where you can type your questions to me, though I prefer that you talk to me using the microphone during office hours.

   If my office hour does not work for your schedule because you have a synchronous class happening at that same time, you may request an appointment for a different time to meet with me online OR you may use the other two options below to communicate with me.

2. I check my email regularly. You are welcome to send me an email with any questions, comments, or concerns. My email is lienamanda@fhda.edu. On Monday through Thursday, you can expect to get a response from me within 24 hours. I may not respond as quickly on the weekends. Please note that if you are emailing me about a *specific* homework question or clarification question about the video lectures, I may request that you post that question on Canvas Discussion (see below), especially if I think your question will benefit the learning of your fellow classmates. In that case, you will post your question on the Discussion board on Canvas and I will answer your question there. That way, other students in the class who may have had a similar question can view the response and even add follow-up questions.

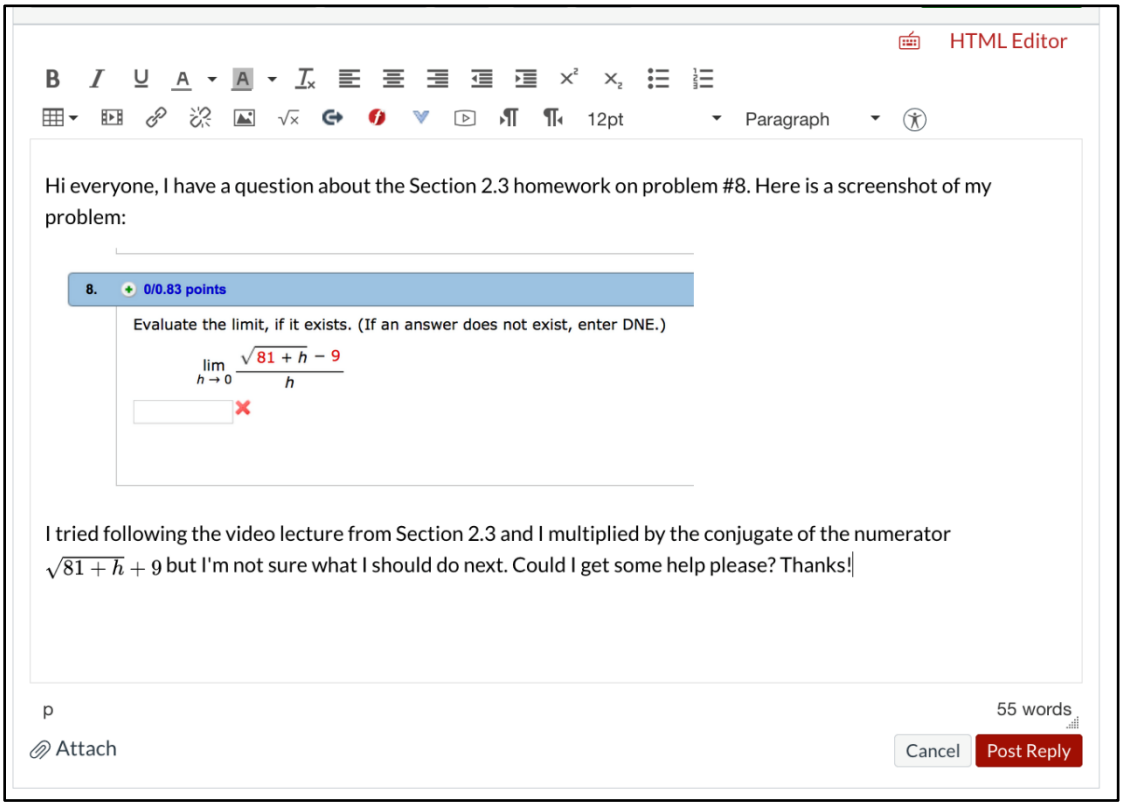
3. Since the majority of the class will be asynchronous, I wanted a way for us all to be able to chat and check in with each other as needed during the quarter. The best way to stay connected online will be with the use of the Discussion board on Canvas. Please try to use the Discussion board as a way to ask me homework questions outside of office hours. If you email me, it is likely that I will ask you to post on the Discussion board anyway.

   I ask that we practice proper online positing etiquette when using the Discussion board:

   - **Be respectful to each other.** We want this to be a positive and safe learning environment where students can comfortably have a discussion and ask questions without feeling judged. We are all learning together and these discussions serve as another form of support.
   - **Be specific.** If you have a question regarding a problem from WebAssign, please specify the problem number as well as the section it is from so that we can find it. Please also copy and paste the problem directly into the discussion (or take a screenshot and add it there). Mention any methods or techniques you may have tried on this problem before you got stuck. If you have a question about something from the video lectures, please specify which video and give a rough time stamp.
   - **Check to see if anyone asked a similar question before posting a new thread.** You can add follow-up questions to a preexisting thread that someone may have already started. Just click "Reply". This will keep our discussions more organized.

   Here's an example of how I expect you to post your questions on Canvas Discussion:

First, please locate the correct discussion thread by determining what Week # your question is from. This way, we can try to keep our threads organized and easier to navigate.



I am encouraging everyone to check the Discussion boards regularly. If a fellow classmate posts a question that you can answer, please do so by clicking on "Reply" on the bottom right corner of their post. I strongly believe that if you are able to explain a concept to someone else, it means that you understand the material yourself. Don't worry about making mistakes when asking or answering questions. **Mistakes are good for the learning experience.** I want us to make mistakes so that we can learn from them. If no one responds to your question after 24 hours, I will respond. For that reason, you should not wait until the day before homework is due to post questions. Post them early in the week to give everyone (myself included) enough time to answer them.

I *may* consider awarding extra credit points to students who regularly post quality questions and/or answers on the Discussion board. This will be decided based on how the Discussion board plays out during the quarter.

When and how will we take the quizzes? What will be covered on the quizzes?

We will take a total of seven (7) quizzes this quarter on Friday of each week unless a midterm exam is scheduled for that week. The quizzes will be taken on WebAssign (access through Canvas) and you are required to take the quiz during our regularly scheduled class time from 7:30-8:20am (this is the synchronous part of this online class). I am asking all students to take the quiz at the same time so that I am also on standby during that time to answer any questions or concerns that come up while you take the quiz.

The quiz will include questions based on topics that were covered during that particular week and/or the previous week. This is, again, why it is very important that you stay on track and keep up with the weekly video lectures. You are permitted to use your graphing calculator and lecture notes during the quiz. Each quiz

is designed to take anywhere from 15-20 minutes to complete it. You will be given 30 minutes to complete the quiz. After 30 minutes, the quiz will automatically be submitted on WebAssign. To ensure that you have the full 30 minutes to work on the quiz, you should start the quiz no later than 7:50am. The quiz will close at 8:20am and become inaccessible. No make-up quizzes will be given.

Unlike the homework, you will be given two (2) submissions per question. You will not be able to view the answer key until after the due date. I encourage that you review and compare your responses to the answer key after each due date in case WebAssign marked a correct answer as incorrect (this could happen if you accidentally use an uppercase letter for a variable or if you put an extra space between terms of an expression). If it is just a syntax error and I would not count that against you. Please let me know if something wasn't graded correctly and I will adjust your score accordingly.

For quizzes, WebAssign will require the use of LockDown Browser that prevents you from opening up other windows while taking a quiz. This means that you must be on a computer (either PC or Mac) when taking quizzes. I will have a "practice quiz" for you in Week 1 for you to try installing LockDown Browser to make sure that everything is working and ready for the 7 quizzes this quarter.

What happens if I miss a quiz or a midterm? What happens if I miss a homework assignment?

There are absolutely no make-up quizzes, midterms, or homework this quarter for any reason. Please do not ask me for them as my answer will always be "no." I am choosing to hold strict/firm deadlines in hopes that it will help keep the class on track. You should start planning ahead now to set aside time for these quiz/midterm dates and homework due dates. The dates for the quizzes and midterms are on the first page of this syllabus and homework due dates will be listed on Canvas.

I understand that life happens and sometimes we get sick, oversleep, have appointments, forget, etc. To help with this, I am dropping one (1) of your lowest quiz score and two (2) of your lowest homework scores. I will also replace your lowest midterm score with your final exam score, if it is higher. You can learn more about this in the grading policy/procedure below.

What is the grading policy and procedure?

- There will be three midterms and a final this quarter, all taken on WebAssign (access through Canvas) synchronous with our regularly scheduled class time of 7:30-8:20am. The final exam time is mandated by the college and we are required to take the final during that time (see schedule on first page of this syllabus for final date and time). No early/late exam will be scheduled. As a way to proctor the exam, I may require that the class is on Zoom with me while you take the midterms and final exam.
- If your final exam score is higher than any of your midterm scores, the final exam score (excluding any extra credit points) will be used to replace the lowest midterm score. If the lowest midterm score is a result of cheating, it will not be considered for the replacement.
- Your two (2) lowest WebAssign homework score will be dropped. However, I still encourage you to do all assignments in order to get the most out of this course. Remember that practice is key!
- Your one (1) lowest quiz score will be dropped.
- The grades for the exams will be changed only if there is a clear error on my part, such as adding up marks incorrectly or if Canvas graded something incorrectly. Problems must be brought to my attention immediately.
- An incomplete grade (I) is rarely assigned. It will only be assigned in extreme situations (i.e. unforeseeable emergency and justifiable reason at the end of the term that prevent you from completing the course). You must be in good standing with near-perfect attendance and an overall grade of a 70% (C) or greater in order to request for an incomplete grade.

Breakdown of grades:	
Homework	20%
Quizzes	15%
Midterm 1	15%
Midterm 2	15%
Midterm 3	15%
Final Exam	20%

Quarter grade:	
≥100%	**A+**
93-99.9%	**A**
90-92.9%	**A-**
88-89.9%	**B+**
83-87.9%	**B**
80-82.9%	**B-**
78-79.9%	**C+**
70-77.9%	**C**
68-69.9%	**D+**
63-67.9%	**D**
60-62.9%	**D-**
0-59.9%	**F**

Final grades are non-negotiable. You should monitor your scores in the Canvas Gradebook regularly throughout the quarter. If there are any discrepancies, they should be brought to my attention as soon as possible.

ACADEMIC DISHONESTY

By enrolling in this class you agree to uphold the standards of academic integrity as outlined in the current De Anza college catalogue. Dishonesty includes but is not limited to signing in someone other than yourself on the attendance sheet, in-class cheating, out-of-class cheating, plagiarism, knowingly assisting another student in cheating or plagiarism, or knowingly furnishing false information to college staff, faculty, administrators or other officials. **If you are observed cheating, you may receive an F on the assignment/exam and be dismissed from the course. Furthermore, the incident will be reported to the Dean of Student Development for review and a note will be made in your school records. Please do not give me any reason to suspect cheating.**

CODE OF STUDENT CONDUCT

The college has an obligation to specify those standards of behavior essential to its educational mission and campus life. The students who are in violation of the Code of Student Conduct are subject to disciplinary sanctions which apply at all times on campus as well as to any off-campus functions sponsored or supervised by the college.

ACCESSIBILITY ACCOMODATIONS

If you have a documented disability and wish to discuss academic accommodations, or if you would need assistance in the event of an emergency evacuation, please inform me as soon as possible.

LAST NOTE

Please remember that you are accountable for your education. This means that if you are having trouble understanding a concept presented in the videos, I encourage you to ask questions in office hours, on Canvas Discussion, or you can just email me. Do not wait until the end of the quarter to realize that you need help. Math is a hierarchical subject – it continue to build up on knowledge from previous material, so it would be to your advantage to stay on track with each week's material.

By enrolling in this course, you are agreeing to all of the policies and procedures as outlined in this syllabus.

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 optimization, related rates and numerical approximation.