Welcome to Math 1A: Calculus Winter 2023

Welcome to the first quarter of Calculus! Calculus is an exciting and interesting subject. I hope you will enjoy learning the material. In this course, we will study limits and derivatives. Plan to commit a **minimum of 15 hours per week** to this course – this is a fast-moving course!

This syllabus contains the policies and expectations that have been established for this course. These policies and expectations are intended to create a productive learning atmosphere for all students. Please bring any concerns you may have to my attention (see Contact Information below).

To create and preserve a course atmosphere that optimizes teaching and learning, all students share the responsibility of creating a positive learning environment. Students are expected to conduct themselves in a manner that does not disrupt teaching or learning.

Contact Information

Instructor: Dr Lisa Markus

The best way to contact me is **via the InBox in Canvas (Links to an external site.) and the Ask Your Teacher (Links to an external site.) in WebAssign.** I will reply by the **end of the next school day** at the latest, usually much sooner. Also post questions to the class Discussions in Canvas. For synchronous help with questions, or just to say "hi", please drop by my Zoom Office Hours (see below).

Email: markuslisa@fhda.edu.

Required Course Materials

- ***HOMEWORK in WebAssign and includes the eBook! TEXTBOOK****: Calculus, Early Transcendentals. Stewart* ***9TH Edition*** *– the eBook is included with the homework in* ***WebAssign****. The eBook with WebAssign can be purchased* ***directly*** *through the homework links in Canvas (about $60), or through the De Anza College Bookstore (Links to an external site.) (which is more expensive).Check out De Anza College Financial Aid (Links to an external site.) to find out if you can get help paying for this - the De Anza College Bookstore online ordering will allow you to use financial aid vouchers. It is cheaper to order directly through Cengage (WebAssign) - the links in Canvas to the homework will take you to this option to pay. Instructions for registering with WebAssign (Links to an external site.)* ***ALWAYS*** *access the* ***homework through the links in Canvas****. Access for the first week is* ***FREE.***
- **CANVAS**: deanza.instructure.com (Free). Used for links to notes, videos, keeping track of your grades, doing homework taking quizzes and exams, and for uploading written work.

- **CALCULATOR**: A TI-84 graphing calculator (or equivalent) is helpful (but not essential) throughout the course - any calculator should suffice. You can rent a TI-84 calculator (Links to an external site.). The De Anza College Library (Links to an external site.)also has calculators you can check out. Texas Instruments has a free 90-day trial of a TI-84 emulator.
- **FILE UPLOADS:** A way to **submit written work** in Canvas as a single file upload. All assignments that are file uploads must be **ONE** file only, Multiple files submitted will not be graded, only the latest (newest) one is graded. NO ZIP FILES! The Free Apps *Genius Scan* and *SwiftScan* will take photos of work on a phone and combine into a single pdf.
- **Some files in the course are pdf.**Download Acrobat Reader (Links to an external site.) (Links to an external site.), if you do not already have it so you can read the pdf files.

Office Hours via Zoom and in person

- **Monday 8:00pm – 9:30pm via ZOOM**
- **Tuesday: 5:00 – 6:00pm in-person in S76-F**
- **Thursday 9:00am – 9:50am via ZOOM**

Zoom links are in Zoom on the Navigation (on left) in Canvas. The following days are school holidays, and there will be **no Office Hour** on those days:

- **Monday 16 January (Martin Luther King Day)**
- **Monday 20 February (Presidents' Day)**
- **Thursday 2 February**

During my Zoom Office Hours, you can talk to me live! You do not need to use your camera. If you do not have a good microphone, you can use Chat in Zoom. During my Office Hours I will also be monitoring and responding promptly to the Canvas InBox and the **Ask Your Instructor** in WebAssign. Outside of my Office Hours, my goal is to respond within 24 hours during the school week, and by Monday before noon to questions asked after 5pm on Friday.

I have enabled "**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). If my office hour does not work for your schedule, you may request an appointment for a different time to meet with me online via Zoom, OR you may use other options to communicate with me: via the InBox in Canvas (Links to an external site.) Links to an external site. or the Ask Your Teacher (Links to an external site.) Links to an external site. in WebAssign. My goal is to respond to asynchronous communications within 24 hours during the school week, and within 48 hours on weekends.

Need Help?

Contact me! Also, there is a Getting Help with Calculus page - please refer to this!

Attendance Policy

Attendance is **required** via actively participating in class and online. I will drop any student who has not logged onto the Canvas course and Completed at least one assignment during the first week. If you fail to complete assignments 2 weeks in a row, I **may** drop you from the course, however, students are responsible TO DROP OR WITHDRAW if they so need. It is also the student's responsibility to check http://www.deanza.edu/calendar/ (Links to an external site.) (Links to an external site.) for the De Anza College deadlines. The course-specific dates are in MyPortal.

Please be sure to read the Announcements and check your Inbox in Canvas regularly.

Math 1A 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.

Strategies for Success

1. Keep up on all work – set aside at least 15 hours per week to work on this course.
2. Ask questions! - Use Discussions, Canvas InBox, Office Hours, Tutoring...
3. Read the textbook in WebAssign and take advantage of the other resources in Canvas.
4. Start the homework long before it is due.

Note to students with disabilities

If you have a disability-related need for reasonable academic accommodations or services in this course, provide me with a Test Accommodation Verification Form (also known as a TAV form) from Disability Support Services (DSS) or the Educational Diagnostic Center (EDC). Students are expected to give **one week** notice of the need for accommodations. Students with disabilities can obtain a TAV form from their DSS counselor (408 864-8753 DSS main number) or EDC advisor (408 864-8839 EDC main number). The application

process is here: https://www.deanza.edu/dsps/dss/applynow.html (Links to an external site.) (Links to an external site.)

No Make-Ups - but scores are dropped!

There are no make-ups for any missed work, and no late work will be accepted. For all assignment types, some scores are dropped. This dropping of lowest scores is **also to take into account any technical difficulties** that may occur, plus any issues related to quarantine, Covid-19, loss of internet, etc.

Academic Integrity

Students who submit the work of others as their own or cheat on exams or other assignments will receive a failing grade in the assignment and will be reported to college authorities. However, on the projects you are encouraged to work in groups of up to 4 people and submit one project per group.

Online Homework

The purpose of homework is to help you learn the material in the course. You learn the most and do your best if you work through the homework problems. Also, in WebAssign, there is an "**Ask the Instructor**" button - please use this if you have questions. Your 20 highest **WebAssign** homework scores count towards your final grade, this also takes into account any technical difficulties you may have, so no extensions are granted since scores are dropped. **Each homework question may be submitted up to 5 times,** so for each homework your score should be close to 10. Homework is usually due on **Monday** night at 11:00pm. To access the homework, **click on the links in Canvas**!

Some questions will require you to input symbols. For this you will use the CalcPad (Links to an external site.), which shows up automatically.

Uploading Written Work

Throughout the course, written work will be uploaded into Canvas. Only assignments uploaded as one single file in the correct place will be graded. **Late papers will receive a grade of 0.** Written work must be uploaded in Canvas as a **SINGLE (ONE) file** attachment in the correct place. The upload must be a single file, NOT a folder with several files, and NOT a zip file, by the due date and time, in the appropriate place. Upload under the correct assignment in the Assignments by clicking on the "Submit" button. Attachments that are blank, cannot be read, are in the wrong place, or cannot be opened will receive a grade of 0. If you upload more than one file, I will only grade one file - the default is the most recent upload. The following are examples of work that is NOT accepted: emailed work, work in messages in Canvas, work uploaded into the comments in Canvas, work in the wrong assignment.

Projects

Projects may be done individually or in groups of up to four members - you may post in the course Discussions to find people to work with. Turn in one copy with all of the group members' names on the project. Working alone is also just fine. For the projects, you will be showing written work for solving calculus problems.

Your 4 highest project grades count towards your final grade. This dropping of lowest scores is **also to take into account any technical difficulties** that may occur.

Exams

Two Midterm Exams and one Final Exam will be given during the quarter. The exams will be timed, and are available in Canvas.

Tentative dates for the exams:

- Exam 1: Chapter 2. 1 hour between 1am and 11pm on **Wednesday 19 October**
- Exam 2: Chapter 3. 1 hour between 1am and 11pm on **Wednesday 9 November**
- Final Exam: Chapters 2-4, 10.1, 10.2. 2 hours between 1am and 11pm on **Wednesday 14 December.**

I count your top 2 exam scores (out of the 3 exams), plus the final exam score. Therefore, it is possible your final exam score will be counted twice.

Feedback

For **EVERY** assignment, be sure to review the correct answers to help understand where you went wrong, and thoughtfully ask me any questions on anything you need help with. In WebAssign there is a Key icon to click on after the due date and time. For the projects, check out the rubric in Canvas and review any comments I write about your work after it is graded. Expect the project grades with comments within 3 days of the due date.

In order to view the written feedback that is marked on your file upload (usually in red "pen", follow the steps below:

1. Go to **Grades**
2. Click on the title of the Assignment (Exam 2 File Upload)
3. Click on “View Feedback”

Grades

Lowest percent for each letter grade: A 93%, A- 90%, B+ 87%, B 83%, B- 80%, C+ 77%, C 70%, D+ 67%, D 63%, D- 60%.

Exams: 3 Exams (2 midterms and 1 Final Exam), Top 2 out of 3 at 40 point each. M

Grade Calculations

Type	Description	Maximum Points
Homework (WebAssign)	Top 20 Scores, 10 points each	200
Projects	Top 4 scores, 25 points each	100
3 Exams (2 midterms and 1 Final Exam)	Top 2 out of 3, 50 points each	100
Final Exam (may count twice as one of the exams)	50 points	50
Total		450

NOTE: there are also extra credit assignments that add to your points, but not the total points, so your personal total is divided by 450 to calculate your grade.

If you do not take the Final Exam your grade for the course will be F. I count your top 2 exam scores (out of the 3 exams), plus the final exam score. Therefore, it is possible your final exam score will be counted twice.

For example, if your scores on Exam 1 and 2 are 40 and 45, and you score 47 on the final, then your exam scores will be 47,45, 47 (with the 47 on the final replacing the 40 on exam 1). If your scores on Exam 1 and 2 are 43 and 45, and you score 40 on the final, then your exam scores will be 43,45, 40 (with the final exam score only counting once).

.

Tentative Course Calendar Winter 2023

Calendar for the Course		
Week, with Monday date	**Monday** **Study this week. Homework due the following Monday 11:00pm**	**Wednesday** **Projects due 11:00pm.** **Exams available 1:00am - 11:00pm.**
Week 1: 9 January	2.1-2.3	Get Started Here (due 11:00pm)
Week 2: 16 January	2.4-2.6	
Week 3: 23 January	2.7 – 2.8	*Project 1 (2.1 - 2.6)*

Week 4: 30 January	3.1 - 3.2	**Exam 1: 1 hour exam on Chapter 2**
Week 5: 6 February	3.3 - 3.5	*Project 2 (2.7 - 3.2)*
Week 6: 13 February	3.6, 3.9, 3.10	
Week 7: 20 February	4.1 - 4.2	**Exam 2: 1 hour exam on Chapter 3**
Week 8: 27 February	4.3 - 4.4	*Project 3 (3.3 - 3.10)*
Week 9: 6 March	4.5, 4.7	
Week 10:13 March	4.8 - 4.9	*Project 4 (4.1 - 4.4)*
Week 11: 20 March	10.1, 10.2 (differentiation)	*Project 5 (4.5 - 4.9)*
Week 12: 27 March		***Final Exam: 2 hour exam on all sections***

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.

Office Hours:

M	08:00 PM	09:30 PM	Zoom	
T	05:00 PM	06:00 PM	In-Person	S 76 F
TH	09:00 AM	09:50 AM	Zoom	