Welcome to Math 1D: Calculus Spring 2024

Welcome to the fourth 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).

The syllabus in Canvas contains hyperlinks.

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 ("Lisa" or "Dr Markus")

The best way to contact me is **via the InBox in Canvas, or Ask Your Teacher in WebAssign.** Please 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 Hour (see below).

Email: markuslisa@fhda.edu.

My goal is to respond to asynchronous communications within 24 hours during the school week, and within 48 hours on weekends and Holidays.

Required Course Materials

- ***HOMEWORK*** *- choose* ***MultiTerm*** ***($60)*** *to save money. See Canvas Syllabus for details. WebAssign homework includes the eBook (9th edition of Early Transcendentals). Access for the first week is free.* ***ALWAYS access the homework through the links in Canvas****.*
- **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.
- **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.

Office Hour via Zoom (use the links in Canvas)

- **Monday 8:00am - 9:10am**
- **Wednesday 6:30pm - 7:30pm**
- **Thursday 8:00am - 9:10am**

The following days are school holidays, and there will be **no Office Hour** on those days:

- **Monday 27 May (Memorial Day)**
- **Wednesday 19 June (Juneteenth)**

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.

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, or Ask Your Teacher in WebAssign.

Getting Help

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 the Orientation assignment during the first week (due Wednesday night, 11:00pm). 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 https://www.deanza.edu/calendar/
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 1D Student Learning Outcomes

1. Apply analytic, graphical and numerical methods to study multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.

2. Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.
3. Synthesize the key concepts of differential, integral and multivariate calculus.

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 .

No Make-Ups

There are absolutely NO MAKEUPS for any missed work, and no late work will be accepted. For most assignments, some scores are dropped. This dropping of lowest scores is **also to take into account any technical difficulties** that may occur, which includes power outage, no internet, etc. Please submit work early if possible!

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. NO EXTENSIONS WILL BE GRANTED. **Each**

homework question may be submitted up to 5 times, so for each homework your score should be close to 10. Access the homework through the links in Canvas.

NOTE: Give exact answers where possible.

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 submitted for the wrong assignment.

Projects

Projects may be done groups of up to four members - you may post in the course Discussions to find people to work with. Upload one file of the project with all of the group members' names on the project. Working alone is also just fine.

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, including power and internet outages.

Exams

Two Midterm Exams and one Final Exam will be given during the quarter. See the Calendar below for the dates.

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 what 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.

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%.

Calculate your Course Grade

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)	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

Week	**Topics to study. Homework due the following Monday before 11:00pm**	**Assignments due 11:00PM Wednesday**
Week 1	12.6, 14.1, 14.2	

Week 2	14.3, 14.4, 14,5	
Week 3	14.6, 14.7, 14,8	Project 1
Week 4	15.1, 15.2	Exam 1 on Chapter 14 and 12.6
Week 5	15.3, 15.4, 15.5	Project 2
Week 6	15.6, 15.7, 15.8	
Week 7	15.9	Project 3
Week 8	16.1, 16.2	Exam 2 Chapter 15
Week 9	16.3, 16.4, 16.5	Project 4
Week 10	16.6, 16.7, 16.8	
Week 11	16.9, 16.10	Project 5
Week 12		Final Exam

Student Learning Outcome(s):

• Apply analytic, graphical and numerical methods to study multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.

• Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.

• Synthesize the key concepts of differential, integral and multivariate calculus.

Office Hours:

M,TH	08:00 AM	09:10 AM	Zoom
W	06:30 PM	07:30 PM	Zoom