Welcome to Math 1D: Vector Calculus. Winter 2025

Instructor: Dr Lisa Markus (call me Dr Markus or Lisa)

Communication and Contact Information

Contact me anytime you need help or have questions. My goal is to respond to asynchronous communication by the end of the next school day. The best way to contact me is **via the InBox in Canvas or the Ask Your Teacher in WebAssign.** Also you can post questions to the class Discussions in Canvas.

Email: markuslisa@fhda.edu

Office Hour via Zoom: <mark>**Monday 12:45 – 2:00pm**</mark>

Note: there will be no Office Hour on School Holidays: 20 January, 17 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 microphone, you can use Chat in Zoom. 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. 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 previous student(s). If my office hour does not work for your schedule, you may request an appointment for a different time, OR you may use other options to communicate with me: **the InBox in Canvas or Ask Your Teacher in WebAssign.**

There will be weekly **Announcements** posted, and written comments for your quizzes. Additionally, you will get messages from me via the InBox in Canvas, and in Speed Grader.

Required Course Materials

- **HOMEWORK:** Access the WebAssign homework through the links in Canvas. Choose **MultiTerm Instant Access** to save money (should be about $60). WebAssign homework includes the eBook. Access for the first week is free. The **eBook is** Calculus, Early Transcendentals. Stewart **9TH Edition.** The eBook with WebAssign can be purchased **directly** through the homework links in Canvas or through the De Anza College Bookstore (Links to an external site.)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 may allow you to use financial aid vouchers.
- **CANVAS**: deanza.instructure.com (Free.) Used for notes, videos, keeping track of your grades, doing homework, taking exams, and uploading written work.
- **CALCULATOR**: A TI-84 graphing calculator (or equivalent) is helpful (but not essential) throughout the course. The De Anza College Library (Links to an external site.)also has calculators you can check out.
- **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 all be graded. Must be a file upload, not a link. NO ZIP FILES. Files must be uploaded in the

correct assignment, not through email, messages or comments. The Free Apps *Genius Scan, CamScan,* and *SwiftScan* will take photos of work on a phone and combine into a single pdf.

- **GRAPHING**: you can draw by hand or use a computer. GeogebraLinks to an external site. is a free site for 3D graphs.

Attendance Policy

Attendance is **required** via actively participating in the online class. 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 each week 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 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, Tutoring.
3. Read the textbook in WebAssign and take advantage of the 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 - but some scores are dropped!

There are no make-ups for any missed work, and no late work will be accepted. For some 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, power outages, internet issues, 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. 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. Some questions will require you to input symbols. For this you will use the CalcPad (Links to an external site.).

Uploading Written Work for Quizzes

Throughout the course, written work will be uploaded into Canvas. **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, NOT a folder with several files, and NOT a zip file, by the due date and time, in the appropriate place. 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 of your files. Examples of work that is NOT accepted: emailed work, work in messages in Canvas, work uploaded into the comments in Canvas, work uploaded for the wrong assignment.

Exams

Three Midterm Exams and one Final Exam will be given during the quarter. The exams will be timed and must be taking on the date outlined in Canvas.

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 quizzes, review any comments I write about your work after it is graded. Expect the quiz grades with comments within 2 days of the due date.

Grades

Lowest percent for each letter grade (no rounding, an 89.9 is a B+): A 93%, A- 90%, B+ 87%, B 83%, B- 80%, C+ 77%, C 70%, D+ 67%, D 63%, D- 60%.

Grade Calculations

Type	Description	Maximum Points

Homework (WebAssign)	Top 20 scores. 10 points each	200
Quizzes	Top 5 scores, 10 points each	50
3 Midterms Exams	Top 2 out of 3, 50 points each	100
Final Exam	50 points	50
Total		400

NOTE: there may also be extra credit assignments that add to your points, but not the total points, so your personal total is divided by 400 to calculate your grade.

If you do not take the Final Exam your grade for the course will be F.

Tentative Calendar for the Course		
Week with Monday date	**Homework due Monday 11:00pm**	**Assignments due 11:00PM Wednesday**
Week 1: 6 Jan	Start the homework due next week	Orientation Discussion
Week 2: 13 Jan	12.6, 14.1, 14.2	Quiz 1
Week 3: 20 Jan	14.3, 14.4, 14,5 (MLK Day)	Quiz 2
Week 4: 27 Jan	14.6, 14.7, 14,8	Exam 1 Chapter 14 and 12.6
Week 5: 3 Feb	15.1, 15.2	Quiz 3
Week 6: 10 Feb	15.3, 15.4, 15.5	
Week 7: 17 Feb	15.6, 15.7 (Presidents 'Day)	Quiz 4
Week 8: 24 Feb	15.8, 15.9	Exam 2 Chapter 15
Week 9: 3 Mar	16.1, 16.2	Quiz 5
Week 10: 10 Mar	16.3, 16.4, 16.5	Quiz 6
Week 11: 17 Mar	16.6, 16.7, 16.8	Exam 3 Sections 16.1 – 16.8
Week 12: 24 Mar	16.9, 16.10 (no homework), Quiz 7	Final Exam – all sections

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	12:45 PM	02:00 PM	Zoom	Zoom