Welcome to Calculus in Fall 2020!

Welcome to Calculus! Calculus is an exciting and interesting subject. I hope you will enjoy learning the material in this course. Please read this syllabus in its entirety. Since this is an online learning class, you should strive to learn the material on your own. **I am here to help** so please email me or post discussion questions in Canvas if you need assistance. Plan to commit a minimum of 15 hours per week to this course – this is a very fast-moving course!

SOFTWARE YOU MAY NEED

Some files in the course are pdf. Download [Acrobat Reader](), if you do not already have it so you can read the pdf files.

You may need [Adobe Flash player]() for some features of the e-book.

CONTACT INFORMATION

Instructor: Dr Lisa Markus

The best way to contact me is **via the In Box in Canvas**, or email me at **markuslisa@fhda.edu.** I will reply by the end of the next school day.

OFFICE HOURS

Visit my **office hour** on Monday night and Wednesday morning: I have an in-person virtual Office Hour: **Monday night 6:30pm - 7:45pm**, and **Wednesday morning 9:00am - 10:00am** via Zoom (use the **Zoom** link on the left in Canvas). Please drop by virtually and ask questions! You do not have to use video - there is audio-only, and there is a Chat window available in Zoom.

ATTENDANCE POLICY

Attendance is **required** via actively participating online. I will drop any student who has not logged onto the Canvas course and submitted at least one assignment by **11:00 pm on FRIDAY 25 September.** If you fail to complete any assignments 2 weeks in a row, I may drop you from the course, however, students are responsible TO DROP OR WITHDRAW. It is also the student's responsibility to check http://www.deanza.edu/calendar/ for the De Anza College deadlines.

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! See the <u>Getting Help</u> section of this syllabus.
3. Read the textbook and take advantage of the other resources in Canvas.
4. Start the homework long before it is due. It is best to submit the homework before attempting the online quizzes.

REQUIRED MATERIALS

- **WEBASSIGN**: To access **WEBASSIGN** ONLINE HOMEWORK (Not available until start of the quarter), follow the links to **Homework** in Canvas (click on the <u>Modules</u>). WebAssign includes the <u>TEXTBOOK as an e-book</u>. This costs about $120. There is a video on <u>how to access WebAssign from Canvas</u>.
- **TEXTBOOK**: Stewart, Calculus Early Transcendentals, 8th edition – this is included as an e-book with WebAssign (see above), you **do not** need to purchase the book separately.
- **CANVAS**: <u>deanza.instructure.com</u> (Free.) Used for links to lectures and videos, keeping track of your grades, taking online quizzes, and for downloading and uploading projects.
- **CALCULATOR**: A graphing calculator is helpful for problems throughout the course.

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: <u>https://www.deanza.edu/dsps/dss/applynow.html</u>

No Make-Ups, no Late Work

There are absolutely NO MAKEUPS for any missed work. Missed work includes late work.

Late projects will receive a grade of 0. Homework in WebAssign will not be accepted late. For the homework on WebAssign, I only take your top 20 grades. This also takes into account any technical difficulties that may occur.

Cheating

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. The Projects may be done in groups. The Exams should be ALL YOUR OWN WORK (you may use your calculator, notes and textbook).

Getting Help

- Tutoring is available online. See http://deanza.edu/studentsuccess/mstrc/
- View the Getting Help with Calculus page! - This includes links to get technical help as well as help with Calculus.

Online Homework (in WebAssign)

The purpose of homework is to help you learn the material in the course. You learn the most and do your best if you do the homework problems. 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. The WebAssign homework usually **DUE 11pm on Wednesday** (which gives you an opportunity to review the answer key before taking the exams). Each homework question can be attempted up to 5 times. To access the homework use the links for each section in Canvas.

For help with a question in WebAssign homework, it is best to use "Ask Your Teacher". since this will take me to your question!

Projects

Projects may be done groups of up to four members. Turn in one copy with all of the group members' names on the top. **Late papers will receive a grade of 0.** Projects must be uploaded in Canvas as a **SINGLE** attachment (a single file, NOT a folder with several files) by the due date and time. Attachments that are blank or cannot be opened receive a grade of 0. If you upload more than one file, I will choose only one file to grade. The top 8 Project grades count towards your final course grade. Projects must show all relevant mathematical work to justify your answers. The Projects are usually due **11pm on Monday** night.

Exams

Two Midterm Exams and one Final Exam will be given during the quarter. 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. If you do not take the final exam at the given time, your course grade will be F.

Exams are online, and timed, on the following dates. You may start the exam anytime during the window (11:00am - 11:00pm), but the exam will close at the end of your time limit or at the end time, whichever comes first.

Exam 1: Thursday 15 October

Exam 2: Thursday 12 November

Final Exam: Thursday 10 December

Grades

Summary of assignments for the course		
Type	Description	Maximum Points
3 Exams (2 midterms plus final)	Top 2 out of 3 @ 50 points each	100
Final Exam *	50	50
Projects	Top 8 at 25 **points** each	200
WebAssign online homework	28 sections, top 20 at 10 points each	200
TOTAL		550

*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.

Summary of percentage range for each letter grade for			
Letter Grade	Lowest Percent for the letter grade	Letter Grade	Lowest Percent for the letter grade
A	93%	C (PASS)	70%
A-	90%	D+	67%
B+	87%	D	63%
B	83%	D-	60%

B-	80%	F	0%
C+	77%		

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Tentative Course Calendar Fall 2020

		Calendar for the Course	
Week	Projects due MONDAYS by 11:00pm	Homework due WEDNESDAY 11:00pm	Exams on THURSDAYS by 11:00pm
Week 1		Get Started Here Due Wednesday 11:00pm WebAssign HW 2.1-2.2 DUE FRIDAY 11:00pm	
Week 2	*Project 1 (Pre-calculus)*	WebAssign HW 2.3-2.4	
Week 3	*Project 2 (2.1- 2.4)*	WebAssign HW 2.5 – 2.6	
Week 4		WebAssign HW 2.7 – 2.8	Exam 1: Thursday. 1 hour exam in Canvas on Chapter 2 11:00am - 11:00pm
Week 5	*Project 3* (2.5 - 2.8)	WebAssign HW 3.1, 3,2	
Week 6	*Project 4* (3.1 - 3.2)	WebAssign HW 3.3, 3.4	

Week 7	*Project 5 (3.3 - 3.4)*	WebAssign HW 3.5, 3.6	
Week 8		WebAssign HW 3.9,3.10, 3.11	Exam 2: Thursday, 1 hour exam in Canvas on Chapter 3 11:00am - 11:00pm
Week 9	*Project 6 (3.5, 3.6,3.9 - 3.11)*	WebAssign HW 4.1 – 4.3	
Week 10	*Project 7 (4.1 - 4.3)*	WebAssign HW 4.4 – 4.6	
Week 11	*Project 8 (4.4 - 4.6)*	WebAssign HW 4.7 – 4.9	
Week 12	*Project 9 (4.7-4.9)*	WebAssign HW 10.1,10.2 (differentiation only)	FINAL EXAM: Thursday 2 hour exam in Canvas 11:00am - 11:00pm

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.