



Mathematics Department
Physical Sciences, Mathematics, & Engineering Division
Math 1A: Calculus (Section 21)
Syllabus
Winter 2021

Instructor: Ms. Jennifer Gutierrez

Office Hours: Mondays & Wednesdays 5:00-5:40pm
Tuesdays & Thursdays 4:00-5:00pm

Email: gutierrezjennifer@fhda.edu

Office: Zoom Video

Required Materials

- (1) Calculus Early Transcendentals; 8th edition, by James Stewart, bundle with WebAssign access code.*
 - (2) Scientific calculator such as Texas Instruments TI30XIIS or <https://www.desmos.com/scientific>.
 - (3) Scanner such as CamScanner app, Genius Scan app, a printer, or any other scanning application/ device.
- *The instructions for purchasing the e-textbook with WebAssign bundle are in the **Home** page in Canvas.

Course Description: We will focus on the fundamentals of differential calculus.

Course Structure: This course will be meeting synchronously over Zoom. In other words, class attendance & participation are **mandatory**. The instructor will provide blank lesson notes, which are to be filled out during our class Zoom class meetings. We will be meeting during the scheduled days & times, i.e. Mondays & Wednesdays 01:30pm – 03:45pm.

Student Mentality: Students are highly encouraged to come into this course with a new mindset! This means that students are encouraged to leave behind any prejudice or previous bad experience with math & begin this course with a positive attitude. Furthermore, a good student will ask questions, seek help, & be proactive with their education, in this class, & all other courses.

Instructor Commitment: My goal in this class is to create a welcoming environment for all students. I will assist students with the content as well as strongly encourage students to ask questions & seek help when needed!

Communication: The instructor will communicate via email &/or thru Canvas. It is essential to check your email frequently & be aware of any communication posted or sent in Canvas. When emailing the instructor, please write in the email's subject line both the course name & the email's subject. For example, Math 1A- Homework Help.

Students can update notification settings following these steps: log into Canvas → go to Account → go to Notifications & adjust your Notification Preferences so that you have selected “Notify me right away” for Announcement, Submission Comment, Discussion Post and Conversation Message. The other notification settings are up to you.

Course Evaluation:

(1) Homework	15%	(5) Class Prep	7.5%
(2) Quizzes	10%	(6) Two Exams	30%
(3) Two Projects	10%	(7) Final Exam	20%
(4) Discussions	7.5%		

Homework (HW): Every lecture will have homework, which will be administered in WebAssign. Occasionally, you may be asked to do a “paper” homework assignment. & every so often, you may be asked to show your work for the problems in the homework.

Homework assigned on Monday is due Wednesday at midnight. Homework assigned on Wednesday is due Saturday at midnight. You should aim to do much of the homework the day it is assigned.

Quizzes: Quizzes will be assigned on the weeks scheduled in the calendar below. Credit on quizzes will be heavily awarded to properly written solutions, not just correct final answers. Quizzes will have a time limit. Late quizzes are **not** accepted.

Projects: There will be two projects assigned & due on the weeks scheduled in the calendar below. The details & instructions will be posted in Canvas.

Discussions: There will be a discussion board in Canvas most weeks where students are to participate with their classmates. On occasion, there may be more than one discussion post in a given week. Students are expected to ask &/or answer questions. Discussion responses are due Saturday **by** midnight. The details & instructions will be posted in Canvas.

Class Prep (CP): Class prep may refer to either a reading assignment &/or completing a short worksheet. The purpose of class prep act is to introduce the lesson of the day. They are to be completed **before** we meet for class as they will serve as a foundation to the new material that will be discussed in the day’s lesson. The details & instructions will be posted in Canvas.

Exams: Exams will be assigned on the days scheduled in the calendar below. Exams will have a time limit. Late exams are **not** accepted.

Final Exam: The final exam will be administered during finals week. The final exam is comprehensive. If you do not take the final exam, you will **not** receive a passing grade.

Grading System:

A	$94\% \leq x$
A-	$90\% \leq x < 94\%$
B+	$87\% \leq x < 90\%$
B	$83\% \leq x < 87\%$
B-	$80\% \leq x < 83\%$
C+	$77\% \leq x < 80\%$
C	$70\% \leq x < 77\%$
D	$60\% \leq x < 70\%$
F	$x < 60\%$

Academic Integrity: Academic dishonesty will not be tolerated. Students are not to copy, cheat, forge, nor obtain an unfair advantage with any assignment in this course. Appropriate actions will be pursued in suspicion of academic violations. For more information, read https://www.deanza.edu/policies/academic_integrity.html.

Disability Accommodations:

“Students who have been found to be eligible for accommodations by Disability Support Services (DSS), please follow up to ensure that your accommodations have been authorized for the current quarter. If you are not registered with DSS and need accommodations, please go to the DSS office in the Registration & Student Services Building (RSS) – Room 141 for information on eligibility and how to receive support services. You can also go online to <https://www.deanza.edu/dsps/> (Links to an external site.) for additional information.”

Recording Policy:

"To ensure compliance with the Family Education Rights and Privacy Act (FERPA), student recording of class lectures or other activities is generally prohibited without the explicit written permission of the instructor and notification of other students enrolled in the class section. Exceptions are made for approved accommodations under the Americans with Disabilities Act.”

	Monday	Tuesday	Wednesday	Thursday	Friday
1	01/04 <u>Lecture:</u> ~ 1.1, 2.1 <u>Homework:</u> ~ Syllabus Quiz (due 01/04 @11:59pm)	01/05	01/06 <u>Lecture:</u> ~ 2.2 ~ Quiz 1 <u>Homework:</u>	01/07	01/08
2	01/11 <u>Lecture:</u> ~ 2.3, 2.5 <u>Homework:</u>	01/12	01/13 <u>Lecture:</u> ~ 2.6 ~ Quiz 2 <u>Homework:</u>	01/14	01/15
3	01/18 Martin Luther King Day	01/19	01/20 <u>Lecture:</u> ~ 2.7 ~ Quiz 3 <u>Homework:</u>	01/21	01/22
4	01/25 <u>Lecture:</u> ~ 2.8 <u>Homework:</u>	01/26	01/27 <u>Lecture:</u> ~3.1 ~ Quiz 4 <u>Homework:</u>	01/28	01/29
5	02/01 <u>Lecture:</u> ~ 3.2, 3.3 <u>Homework:</u>	02/02	02/03 <u>Lecture:</u> ~ Exam 1 ~ 3.4 <u>Homework:</u> ~ Project 1 (due 02/07)	02/04	02/05

6	02/08 <u>Lecture:</u> ~ 3.5, 3.6 <u>Homework:</u>	02/09	02/10 <u>Lecture:</u> ~ 3.9, 3.10 ~ Quiz 5 <u>Homework:</u>	02/11	02/12
7	02/15 President's Day	02/16	02/17 <u>Lecture:</u> ~ 4.1 ~ Quiz 6 <u>Homework:</u>	02/18	02/19
8	02/22 <u>Lecture:</u> ~ 4.2 <u>Homework:</u>	02/23	02/24 <u>Lecture:</u> ~ 4.3 ~ Quiz 7 <u>Homework:</u>	02/25	02/26
9	03/01 <u>Lecture:</u> ~ 4.4, 4.5 <u>Homework:</u>	03/02	03/03 <u>Lecture:</u> ~ Exam 2 ~ 4.7 <u>Homework:</u> ~ Project 2 (due 03/07)	03/04	03/05
10	03/08 <u>Lecture:</u> ~ 4.8 <u>Homework:</u>	03/09	03/10 <u>Lecture:</u> ~ 4.9 ~ Quiz 8 <u>Homework:</u>	03/11	03/12

11	03/15 <u>Lecture:</u> ~ 10.1 <u>Homework:</u>	03/16	03/17 <u>Lecture:</u> ~10.2 ~ Quiz 9 <u>Homework:</u>	03/18	03/19
12	03/22 Final Exam 1:45 – 3:45pm	03/23	03/24	03/25	03/26

Note: The instructor reserves the right to modify the syllabus & the schedule accordingly. Any changes made will be communicated via email & posted on Canvas. All times listed on this syllabus are in Pacific Standard Time.

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.