DeAnza College

Mathematics Department
Physical Sciences, Mathematics, & Engineering Division
Math 1A: Calculus (Section 11)
Syllabus
Spring 2021

Instructor: Ms. Jennifer gutierrez

Office Hours: MWF 1:00-1:40pm & MW 5:00-5:40pm

Email: gutierrezjennifer@fhda.edu

Office: Zoom Video

Required Materials
(1) Calculus Early Transcendentals; 8th ed, by James Stewart, with WebAssign.
(2) https://www.desmos.com/calculator
(3) Scanner such as the CamScanner app, Genius Scan app, a printer, or any other scanning application/ device.
(4) A webcam such as a stand-alone device, laptop, or phone is strongly recommended.

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. We will meet during the scheduled days & times, i.e. Mondays – Fridays from 11:30am – 12:20pm.

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. For every credit hour, expect to spend 3 hours a week outside of class studying or doing homework for this course. Since this is a 5-credit course, the expectation is 15 hours a week.

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. You can expect a response from the instructor within 24 hours if you email during the week. When emailing the instructor, please write in the email's subject line: **Math 1A (Section 11)**.

Students can update Canvas 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	20%	(5) In-Class Participation	6%
(2) Quizzes	10%	(6) Exams	30%
(3) Projects	8%	(7) Final Exam	20%
(4) Discussions	6%		

Homework: Every lecture will have a corresponding homework assignment 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. You should aim to do much of the homework the day it is assigned. Homework will be due by 11:59pm on Mondays.

Quizzes: Expect quizzes once a week. Quizzes are due by 11:59pm on Wednesdays. Late quizzes are **not** accepted.

Projects: Expect 2 projects assigned throughout the quarter. The details & instructions will be posted in Canvas. Late projects are **not** accepted.

Discussions: Expect weekly discussion boards in Canvas. The details & instructions will be posted in Canvas. Discussion boards close at 11:59pm on Mondays. Late discussion responses are **not** accepted.

In-class Participation: We learn best when (1) we ask questions & (2) work with others. 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. Expect to participate in our Zoom class meetings. Participation points are awarded by typing in the chat or speaking. 0 points for no participation. 1 point for participating once. 2 points for participating twice. 3 points for participating 3 or more times. On occasion you will have the opportunity to do groupwork with your classmates via Zoom breakout rooms. Failure to have both the camera & mic on during breakout rooms will result in losing participation points.

Exams: Expect 2 exams assigned on the weeks scheduled in the calendar below. You are asked to have your camera on to ensure sufficient proctoring of academic integrity. 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 $x < 60\%$

Student Success Center

Need help with this course? Want more personal connections this quarter? Student Success Center tutors & workshops are ready for you! Watch the SSC Welcome Video to learn more.

(1) Tutoring: To join a Zoom tutoring room during open hours, go to http://deanza.edu/studentsuccess.

(2) Workshops: Attend a Skills Workshop, a content-specific math/science workshop, an Accounting chapter review workshop, or a Listening and Speaking workshop.

(3) Resources: Join the SSC Resources Canvas site to see content & learning skills links.

(4) After-hours or weekend tutoring: See the Online Tutoring page for information about NetTutor (via Canvas).

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	**04/05** Sections: 1.1, 1.2, 2.1, 2.2	**04/06**	**04/07**	**04/08**	**04/09**
2	**04/12** Sections: 2.3, 2.5, 2.6	**04/13**	**04/14**	**04/15**	**04/16**
3	**04/19** Sections: 2.7, 2.8	**04/20**	**04/21**	**04/22**	**04/23**
4	**04/26** Sections: 3.1, 3.2, 3.3	**04/27**	**04/28**	**04/29**	**04/30**
5	**05/03** Sections: 3.4, 3.5, Exam 1	**05/04**	**05/05**	**05/06**	**05/07**
6	**05/10** Sections: 3.6, 3.7*, 3.8*	**05/11**	**05/12**	**05/13**	**05/14**
7	**05/17** Sections: 3.9, 3.10, Project 1	**05/18**	**05/19**	**05/20**	**05/21**
8	**05/24** Sections: 4.1, 4.2, 4.3	**05/25**	**05/26**	**05/27**	**05/28**
9	**05/31** Memorial Day Sections: 4.4, 4.5, Exam 2	**06/01**	**06/02**	**06/03**	**06/04**
10	**06/07** Sections: 4.6*, 4.7, 4.8, Project 2	**06/08**	**06/09**	**06/10**	**06/11**
11	**06/14** Sections: 4.9, 10.1, 10.2	**06/15**	**06/16**	**06/17**	**06/18**
12	**06/21** **Final Exam on Monday** **11:30am – 1:30pm**	**06/22**	**06/23**	**06/24**	**06/25**

Note: The instructor reserves the right to modify the syllabus & the schedule accordingly. Any changes made will be communicated via email & posted in 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.