

## **MATH 1A** – 53Z Calculus

Asynchronous Learning on Canvas

Online (Canvas) CRN: 36826

Instructor: Nahrin Rashid

Email: [rashidnahrin@fhda.edu](mailto:rashidnahrin@fhda.edu) or Canvas Inbox

Office hours via Zoom: Monday & Wednesday 11:00 AM – 12:45 PM or by appointment

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**Support:** It can be frustrating when you need help, so please know that I am here to help you manage challenges and any frustration you may experience with the course. Please maintain close contact with me and I will do my best to support you.

**How to reach out:** If you have a question, the quickest and easiest way to contact me is via the Canvas inbox or email me [rashidnahrin@fhda.edu](mailto:rashidnahrin@fhda.edu). If you email me during my online office hours, I'll try to respond immediately. If you email me outside of my office hours, then I'll try to respond to you within 48 hours. From our course, click on "Inbox" in the left global navigation menu to access your Canvas conversations.

**Tutoring Services:** Do not wait to get extra help. Contact me or tutoring to get help!

1. Student Success Center Tutoring Services: <https://www.deanza.edu/studentssuccess/>
  - a. You will need to enroll in the non-credit Canvas Course listed on the site to receive tutoring. It's completely free.
  - b. Upon logging into Canvas, select the SSC Resource Course
  - c. Select "Modules" which will lead you to the SSC Zoom! links by subject area.
  - d. Click on one of the SSC Areas and select the appropriate Zoom link.
  - e. Join the virtual room, meet a tutor and start learning!
2. Smarthinking Tutoring: <https://www.deanza.edu/studentssuccess/onlinetutoring/>
  - a. Online Tutoring with Smarthinking is now available for free for De Anza students inside MyPortal

**Prerequisite:** Appropriate score on Calculus Placement Test within the past calendar year; or Mathematics 43 with a grade of C or better.

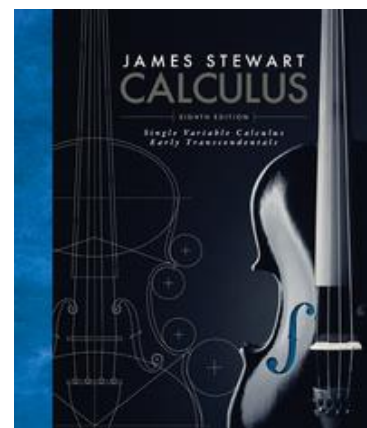
**Course Description:** Fundamentals of differential calculus.

**Textbook:** *Calculus Early Transcendentals*; 8<sup>th</sup> edition, by James Stewart, bundle with Webassign access code.

**Calculator:** A basic scientific calculator is required for this class such as Texas Instruments TI30XIIS Scientific Calculator. TI-83 Plus/TI-84 Plus calculator recommended but not allowed on Exams. This can be a physical or an online app, such as the one at <https://www.desmos.com/scientific>.

**Software:** All homework/quizzes will be done online using WebAssign which is an internet-based software. You will need to register at [www.webassign.net](http://www.webassign.net) to use this internet-based software. You will need the class key given by me in order to self-register. **Class key for WebAssign: deanza 8126 9774**

**Online Lectures/Canvas:** Plan to log in to Canvas several times each week. This class is asynchronous so there will not be live lectures. I will post pre-recorded lecture videos for each section on Canvas under Modules. I will post two or three videos per week. You'll need to watch the lecture videos and take notes. If you have any questions, you can ask me during office hours or email me. You will be learning online or asynchronously, meaning that at your own pace, you will watch lecture videos, complete homework assignments, and take either a quiz or an exam every week. There will be set due dates for all of the homework assignments, quizzes, and exams. Although you will be able to watch the videos at your own time and pace, you are expected to complete them in a timely manner so that you are ready to take the quiz/exam and submit them by due date. It is very easy to fall behind in an online class, so you are encouraged to set aside at least 1 to 2 hours each day to dedicate to this class as opposed to doing all of the work in one day. It is strongly recommended that you download the Canvas app if you have a smart phone.



**Student Conduct:** You are expected to be honest and ethical at all times in the pursuit of academic goals. When completing your work on an assignment or in taking a test, be sure to do your own work. Copying or using another person's work is plagiarism or cheating, so please be sure to submit your own work. Anyone caught cheating on an exam will receive an automatic 0 and be reported to the Dean of the PSME Division.

**Discussion on Canvas:** Even though this is an online class, you are expected to participate. Post and answer questions in Canvas weekly discussion boards. These discussions will count for 5% of your grade.

**Homework:** Plan to log in to WebAssign daily. Homework will be assigned a few times a week and will have a due date. All homework must be submitted by 11:59 PM on the due date. You must set up an account by Monday, January 11, 2021 or you will be dropped from the class. If you have a homework problem you are not able to complete, you can send me your questions on WebAssign by clicking on "Ask my Instructor". At the end of the quarter your lowest homework score will be dropped. Homework will count for 15% of your term grade. Please do not procrastinate!

**Class key for WebAssign: deanza 8126 9774**

**Quizzes:** There will be a quiz every week via WebAssign or Canvas assigned intermittently throughout the term to test your skills on the concepts we are covering in class and online. **NO** make-up quiz will be given. To compensate for this, I will drop your lowest quiz score. These quizzes will count for 15% of your grade.

**Midterms:** There will be four exams during the quarter on WebAssign and Canvas. These exams will be completed online and will contain the materials covered in the lectures, online, and in the book. If you are unable to take an exam for any reason, **a makeup exam will not be given.** To compensate for this, I will drop your lowest exam score. These exams will count for 40% of your term grade.

**Final Examination:** If you do not take the final exam, you **WILL NOT** receive a passing grade. There will be a comprehensive final examination on **Tuesday, March 23.** This test will count for 25% of your term grade.

**Accessibility Accommodations:** If you have a documented disability and wish to discuss academic accommodations, or if you would need assistance in the event of an emergency evacuation, please inform me as soon as possible.

### Grade Breakdown

<b>A+: 99% and above</b>	<b>B+: 87 - 89%</b>	<b>C+: 77 - 79%</b>	<b>D: 63 - 66%</b>
<b>A: 93 - 98%</b>	<b>B: 83 - 86%</b>	<b>C: 70 - 76%</b>	<b>D-: 60 - 62%</b>
<b>A-: 90 - 92%</b>	<b>B-: 80 - 82%</b>	<b>D+: 67 - 69%</b>	<b>F: &lt; 60%</b>

### Important Dates

- The last day to add classes is Saturday, January 16.
- The last day to drop for a full refund and no record of “W” is Monday, January 18
- The last day to request pass/no pass grade is Friday, January 29
- The last day to drop with a “W” is Friday, February 26.
- Martin Luther King Jr. Holiday - Campus Closed, January 18
- Presidents' Holiday - Campus Closed, February 12 - 15
- Final Exams week, March 22 - 26

### Tentative Schedule for Math 1A, Winter 2021

<b>Week 1</b>	<b>Section 2.1</b> <b>Section 2.2</b>	
<b>Week 2</b>	<b>Section 2.3</b> <b>Section 2.5</b> <b>Section 2.6</b>	
<b>Week 3</b>	<b>Section 2.7</b> <b>Section 2.8</b>	<b>Exam 1: Friday, January 22 (Section 2.1, 2.2, 2.3, 2.5, and 2.6)</b>
<b>Week 4</b>	<b>Section 3.1</b> <b>Section 3.2</b>	
<b>Week 5</b>	<b>Section 3.3</b> <b>Section 3.4</b>	
<b>Week 6</b>	<b>Section 3.5</b> <b>Section 3.6</b>	<b>Exam 2: Monday, February 8 (Section 2.7, 2.8, 3.1, 3.2, and 3.3)</b>
<b>Week 7</b>	<b>Section 3.9</b> <b>Section 3.10</b>	
<b>Week 8</b>	<b>Section 4.1</b> <b>Section 4.2</b>	<b>Exam 3: Friday, February 26 (Section 3.4, 3.5, 3.6, 3.9, and 3.10)</b>
<b>Week 9</b>	<b>Section 4.3</b> <b>Section 4.4</b>	
<b>Week 10</b>	<b>Section 4.5</b> <b>Section 4.7</b>	
<b>Week 11</b>	<b>Section 4.8</b> <b>Section 4.9</b>	<b>Exam 4: Monday, March 15 (Section 4.1, 4.2, 4.3, 4.4, and 4.5)</b>
<b>Week 12</b>	<b>Finals Week</b>	<b>Final Exam: Tuesday, March 23 Comprehensive</b>

This syllabus is subject to change at the instructor's discretion.

**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.