

# MathA Calculus I

## Summer 2022, Section 30Z, CRN 12782

### INSTRUCTOR INFORMATION

Instructor	MISAKO VAN DER POEL
Email	<a href="mailto:van_der_poelmisako@fhda.edu">van_der_poelmisako@fhda.edu</a> Please following the format of the subject line stated below. <b>"Math 1A: _____"</b> You write your inquiry after the colon.

### CLASS MODE

This is an online and instructional method is **synchronous**.

Lectures will be delivered online via Zoom:

<https://fhda-edu.zoom.us/j/97937658869>

Passcode: 640477

You are expected to check our Canvas page to see announcements and week module regularly. The due date of all the assignment follows the **U.S. Pacific Standard Time (PST)**.

For this course, **all you need to do is:**

1. Completing **Homework assignments** in WebAssign. 

2. Taking **Quizzes** in Canvas. 

3. Taking **Midterm Exams and Final Exam proctored** by the instructor via Zoom. 

### PREREQUISITES

Mathematics 43 (with a grade of C or better), or satisfactory score on Calculus Placement Exam within the past calendar year.

### MATERIALS

- Calculus: Early Transcendentals, by James Stewart, Thomson/Brooks/Cole, 9th. Ed(**Optional**)
- Use of **WebAssign is required** to complete homework and taking exams.
- You must self enroll.
- Got to <http://www.webassign.net>, click on "I Have a Class Key," enter the class key:

deanza

7831

2912

- Please take the advantage of the free trial for the first two-weeks and do not pay anything yet.
- All the purchases are non-refundable.
- Please read "Student Quick Start Guide" or watch the tutorial video in Canvas.
- You will need to purchase online access to use WebAssign. The special price for De Anza students is **\$60**.

## OTHER REQUIRED MATERIAL

- **Two electronics devices (Laptop, desktop, tablet, smartphone, webcam, etc.)** are needed for taking Midterms and Final Exam.
- **All handouts** are posted in CANVAS.

## TECHNOLOGY

- You will need some way of **scanning** and **uploading** multiple-page documents as a single PDF file. For most students with smartphones, some kind of camera scanner will work well.
  - You can use Adobe Scan which is free and relatively uncomplicated:  
<https://acrobat.adobe.com/us/en/mobile/scanner-app.html>
  - You can use Notes app to scan pages into a single pdf:  
iPhone: <https://youtu.be/4EcenpuVmqI>  
Android using Microsoft Office Lens: <https://www.youtube.com/watch?v=Z7ztz3y8rMQ>
  - You can use a free app called Genius Scan. It allows you to take pictures of your work and merge multiple pictures into one PDF document.

**De Anza College CompTechS:** lets students borrow a refurbished desktop or laptop for coursework, [https://www.deanza.edu/oti/computer\\_scholar.html](https://www.deanza.edu/oti/computer_scholar.html)

## CANVAS

You are expected to check our Canvas page to see announcements, assignments, and week module regularly.

### Modules:

- A new module will be created every week.
- All the lectures and the assignments will be listed on the module.
- You can **read the power point presentations.**

### Files:

*Study Sheets, Lecture notes, Student Contract, Score Sheet, Formula Sheets, Tables,* or any documents will be posted in the Files tab.

## QUIZZES

Quizzes will be assigned on each day in **Canvas** and **no late quiz** will be accepted.

For each quiz:

- **No extensions** will be granted.
- **One submission** is allowed for each question.
- Use any materials including textbook and notes.
- Submissions are due at **2:00pm** on each due date.
- Each quiz is worth **4 points.**
- **Seven lowest scores will be dropped** at the end of the course.

## HOMEWORK

- Homework will be assigned in **WebAssign** weekly and **no late work** will be accepted.
- **No extensions** will be granted.
- **Five submissions** are allowed for each question.
- Each homework assignment is worth **4 points** and **five lowest scores will be dropped.**
- Submissions are due at **2:00pm** on each due date.

**You are expected to check the due dates on your WebAssign account at least once a day to plan accordingly.**

## EXAMS

- There will be **two** exams (90 min-exams) in [WebAssign](#).
- Each exam is worth **120 points**.
- **One submission** is allowed for each question.
- All the midterms are closed-book.
- You may use **ONE 8.5 x 11 sheet of paper (both sides & hand written)** for notes.
- **No calculator** is allowed to be used.
- **Two electronics devices are required**.(Laptop, desktop, tablet, smartphone, webcam, etc..)
- Your exam will be **proctored via Zoom**.

**Missed Exam:** There are **no make-up exams**, regardless of why you missed it. If you are unable to take the exam at the scheduled time due to illness or an emergency, I will then use your percentage from the final exam minus 10% to compute your score for the missed exam. (Example: Your score on the final exam is 80%. I will take 70% of 130 to compute your exam score.) If a second exam is missed, you will get a **zero**.

## FINAL EXAMS

- There will be a mandatory comprehensive final exam worth **200 points**.
- Final exam must be taken exactly on **Aug 4 (3:00pm-5:00pm)**.
- The final will cover all the material discussed during the course.
- Missing the final will result in a grade of "F" for the course.
- It is **closed book**.
- You may use **one 8.5 X 11 inch sheet of handwritten notes (both sides)**.
- **No calculator** is allowed to use.
- **Two electronics devices are required**.(Laptop, desktop, tablet, smartphone, webcam, etc..)
- **Your final exam will be proctored via Zoom**.

## READING

- You should read each section before the topics come up in class or in the homework. (In WebAssign, you can access **eBook**, so please read each section before the topics come up or in the homework.)

## CALCULATORS

The TI-83, TI-83 plus, TI-84, or TI-84 plus are recommended for the students.

**NO calculator is allowed for Final Exam.**

**Download: TI-SmartView™ Emulator Software for the TI-84 Plus Family**

<https://education.ti.com/en/software/details/en/FFEA90EE7F9B4C24A6EC427622C77D09/sda-ti-smartview-ti-84-plus>

**TI Emulator Apps** For iPhone: GraphNCalc83 (free)  
For Android: Wabbit EMU (free)

Free online graphing tool such as <https://www.desmos.com/> or <https://www.wolframalpha.com/> .

## GRADES

Your grade will be based upon the total points earned, according to the following:

Homework-WebAssign (4pt each) Five lowest scores will be dropped.	80 pts
Quizzes - CANVAS (4pt each) Seven lowest scores will be dropped.	80 pts
Midterms-WebAssign (120pt each)	240 pts
Final Exam- CANVAS	200 pts
Total	600 pts

550 – 600 points	A
530 – 549 points	A-
510 – 529 points	B+
490 – 509 points	B
470 – 489 points	B-
450 – 469 points	C+
420 – 449 points	C
360 – 419 points	D
Below 360 points	F

The De Anza College catalog advises students to do at least 2 hours of work outside the classroom for each hour spent in class. So you are required to spend at least 15 hours per week (or more) to learn the material in this course.

## TUTORIAL HELP

- **SSC tutoring links and schedules:** go to the [SSC homepage](#) and click on the yellow link to add yourself to [SSC Resources Canvas](#). Once there, click on Modules then the SSC area for your course. <https://www.deanza.edu/studentssuccess/>
- **Support for online learning:** If you'd like to speak with someone about motivation and organization strategies for online classes, we encourage you to talk with a peer tutor or SSC staff member. We get it and are going through the same things, so let's support each other!
- **Need after-hours or weekend tutoring?** See the [Online Tutoring](#) page for information about NetTutor (via Canvas) or Smarthinking (via MyPortal).

## STUDENT RESPONSIBILITIES

1. It is your responsibility to keep up with the material on each week. It is your responsibility to find and use the all materials posted in CANVAS.  
**Note: I will not answer any Math questions over email.**
2. It is your responsibility to submit all assignments on time.  
**Note: There are no make-ups and no extensions will be granted.**
3. If you plan on dropping the class, it is your responsibility to use "MyPortal" online, or contact Admissions and Records office.
4. It is your responsibility to record all the scores you have earned, using a "Score Sheet."

## ACADEMIC MISCONDUCT

Academic dishonesty will not be tolerated. If a student is found cheating on an exam, plagiarizing on writing assignments, or violating other codes of academic integrity, he or she will receive a failing grade for the course and may be reported to the college for an appropriate action. See section on Academic integrity in your current schedule of classes catalog.

Please refer to [https://www.deanza.edu/policies/academic\\_integrity.html](https://www.deanza.edu/policies/academic_integrity.html)

## DISABILITY SUPPORT SERVICES

For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) see contacts below:

Disability Support Service (DSS): Student Services Building (408) 864-8753; TTY (408) 864-8748

Educational Diagnostic Center (EDC): Learning Center West 110; (408) 864-8839

Special Education Division: 864-8407; [www.deanza.edu/specialed](http://www.deanza.edu/specialed)

The application process can be found here: <https://www.deanza.edu/dsps/dss/applnow.html>

<b>Summer 2022                      Math 1A Course Schedule</b>	
<b>Week 1 (June 27 – 30)</b>	Review for Precalculus Section 2.1: Tangent and Velocity Problems Section 2.2: Limit of a Function Section 2.3: Calculating Limits Using the Limit Laws Section 2.5: Continuity Section 2.6: Limits at Infinity, Horizontal Asymptotes
<b>Week 2 (July 4 –7)</b>	<b>No Class on July 4</b> Section 2.7: Derivatives and Rates of Change Section 2.8: Derivative as a Function Review: <b>Exam 1 (Ch 2) on July 7 (3:00pm-4:30pm)</b>
<b>Week 3 ( July 11 – 14)</b>	Section 3.1: Derivatives of Polynomials and Exponential Functions Section 3.2: Product and Quotient Rules Section 3.3: Derivatives of Trigonometric Functions Section 3.4: Chain Rule Section 3.5: Implicit Differentiation Section 3.6: Derivatives of Logarithmic and Inverse Trigonometric Functions
<b>Week 4 ( July 18 – 21)</b>	Section 3.9: Related Rate Section 3.10: Linear Approximations and Differentials Section 4.1: Maximum and Minimum Values Section 4.2: Mean Value Theorem Review: <b>Exam 2 (Ch 3) on July 21 (3:00pm-4:30pm)</b>
<b>Week 5 (July 25 – 28)</b>	Section 4.3: What Derivatives Tell Us about the Shape of a Graph Section 4.4: Indeterminate Forms and l'Hospital's Rule Section 4.5: Summary of Curve Sketching Section 4.7: Optimization Problems Section 4.8: Newton's Method Section 4.9: Antiderivatives
<b>Week 6 (Aug 1 – 4)</b>	Section 10.1: Curves Defined by Parametric Equations Section 10.2: Calculus with Parametric Curve Review for Final <b>Final Exam on Aug 4 (3:00pm-5:00pm)</b>

### **IMPORTANT DAYS TO REMEMBER**

June 29, Wednesday	Last day to drop for a full refund or credit.
July 1, Friday	Last day to add classes
July 27, Wednesday	Last day to drop with a "W"

**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.

**Office Hours:**

Email

M,T,W,TH

09:00 AM

06:00 PM