MathA Calculus I
Fall 2022, Section 40Z, CRN 01485

INSTRUCTOR INFORMATION

Instructor	MISAKO VAN DER POEL
Email	**van_der_poelmisako@fhda.edu** Please following the format of the subject line stated below. **"Math 1A: _____"** 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 myOpenMath.
2. Taking **Quizzes** in Canvas.
3. Taking **Midterm Exams and Final Exam** in Canvas, **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

- Use of Study Sheets (posted in Canvas) is required.
- Calculus Volume1 (A free PDF version of the textbook is posted in Canvas.)
- Use of **myOpenMath is required** to complete homework assignments. (Use myOpenMath for free.)
- You must self enroll.
- Got to https://www.myopenmath.com
  - If you already have an account, you can log on using the box to the right.
    Course name: **Math1A-40Z**
  - If you are a new student to the system, click "register as a new student."
    Enter the course ID and Enrollment Key:
    Course ID: **149660**
    Enrollment Key: **1A40Z01485**

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.

De Anza College CompTechS: lets students borrow a refurbished desktop or laptop for coursework, 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 find "**Study Sheet**" and read **"Power point presentation**" for each section.

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 **5:00pm** on each due date.
- Each quiz is worth **4 points.**
- **Four lowest scores will be dropped** at the end of the course.

HOMEWORK

- Homework will be assigned in myOpenMath weekly and **no late work** will be accepted.
- **No extensions** will be granted.
- **Three submissions** are allowed for each question.
- Each homework assignment is worth **4 points** and **six lowest percentages will be dropped**.
- Submissions are due at **5:00pm** on each due date.

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

EXAMS

- There will be **two** exams (90 min-exams) in Canvas.
- 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**.
- If the percentage of the lowest of your exam scores is lower than that of your final exam score, then the percentage of the lowest exam will be replaced by that of your final exam. (Note that the final exam score will NOT be replaced in this manner).

***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 to compute your score for the missed exam. 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 **DEC 14 (6:15pm-8:15pm)**.
- 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.

CALCULATORS

The TI-83, TI-83 plus, TI-84, or TI-84 plus are recommended for the students.
NO calculator is allowed for Exams.
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-myOpenMath (4pt each) **Six lowest percentages will be dropped.**	80 pts
Quizze - CANVAS (4pt each) **Four lowest scores will be dropped.**	80 pts
Midterms- CANVAS (120pts 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/studentsuccess/
- **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

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

IMPORTANT DAYS TO REMEMBER

Oct 8, Saturday	Last day to add classes
Oct 9, Sunday	Last day to drop for a full refund or credit.
Nov 18, Wednesday	Last day to drop with a "W"

Fall 2022 Math 1A Course Schedule

		Quiz due date	HW due date
Week 1 **(Sep 26 – 28)**	Review for Precalculus (1.1- 1.5) Section 2.1: Tangent and Velocity Problems (2.1) Section 2.2: Limit of a Function (2.2)	Quiz 2.1- Sep 28 Quiz 2.2- Sep 30	
Week 2 **(Oct 3 –5)**	Section 2.3: Calculating Limits Using the Limit Laws (2.3) Section 2.5: Continuity (2.4) Section 2.6: Limits at Infinity, Horizontal Asymptotes (4.6)	Quiz 0- Oct 3 Quiz 2.2&2.3-Oct 5 Quiz 2.3&2.5-Oct 7 Quiz 2.5&2.6-Oct 7	
Week 3 **(Oct 10 – 12)**	Section 2.7: Derivatives and Rates of Change (3.1) (3.4) Section 2.8: Derivative as a Function (3.2) Section 3.1: Derivatives of Polynomials and Exponential Functions (3.3)	Quiz 2.7-Oct 12 Quiz 2.8-Oct 14 Quiz Ch2-Oct 14	HWNo.1-6 Oct 10
Week 4 **(Oct 17 – 19)**	Section 3.2: Product and Quotient Rules (3.3) Section 3.3: Derivatives of Trigonometric Functions (3.5) Section 3.4: Chain Rule (3.6)	Quiz 3.1-Oct 17 Quiz 3.2-Oct 19 Quiz 3.3-Oct 21 Quiz 3.4-Oct 21	HWNo.7-9 Oct 17
Week 5 **(Oct 24 – 26)**	Section 3.5: Implicit Differentiation (3.8) Review: **Exam 1** (2.1-2.8, 3.1-3.4) on **Oct 26**	Quiz 3.5-Oct 26	HWNo.10-11 Oct 24
Week 6 **(Oct 31-Nov 2)**	Section 3.6: Derivatives of Logarithmic and Inverse Trigonometric Functions (3.7) (3.9) Section 3.9: Related Rate (4.1)	Quiz 3.9-Nov 4	HWNo.12-16 Oct 31
Week 7 **(Nov 7 – 9)**	Section 3.10: Linear Approximations and Differentials (4.2) Section 4.1: Maximum and Minimum Values (4.3) Section 4.2: Mean Value Theorem (4.4)	Quiz 3.10-Nov 9 Quiz 4.1-Nov 11 Quiz 4.2-Nov 11	HWNo.17 Nov 7
Week 8 **(Nov 14 – 16)**	Section 4.3: What Derivatives Tell Us about the Shape of A Graph (4.5) Section 4.4: Indeterminate Forms and l'Hospital's Rule (4.8) Section 4.5: Summary of Curve Sketching (4.5)	Quiz 4.3-Nov 16 Quiz 4.4-Nov 18 Quiz 4.4 Part2 -Nov 18	HWNo.18-19 Nov 14
Week 9 **(Nov 21 – 23)**	Section 4.7: Optimization Problems (4.7) Section 4.8: Newton's Method (4.9) Section 4.9: Antiderivatives (4.10)	Quiz 4.5-Nov 21 Quiz 4.7-Nov 23	HWNo.20-21 Nov 21
Week 10 **(Nov 28 – 30)**	Section 4.9: Antiderivatives (4.10) Review: **Exam 2** (3.5-3.10, 4.1- 4.9) on **Nov30**	Quiz 4.9-Nov 30	HWNo.22-24 Nov 28
Week 11 **(Dec 5 – 7)**	Section 10.1: Curves Defined by Parametric Equations Section 10.2: Calculus with Parametric Curve Review for Final		HWNo.25-26 Dec 5
Week 12 **(Dec 14)**	**Final Exam** on **Dec 14 (6:15pm-8:15pm)**		

Section numbers are referred to the following textbook:
Calculus: Early Transcendentals, by James Stewart, Thomson/Brooks/Cole, 9th. Ed

Section numbers ( ) are referred to the textbook "Calculus Volume 1."

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:

Zoom	M,W	08:45 PM	09:15 PM