Math1A   Calculus I
Summer 2024, Section 18Z, CRN 13661

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-18Z: _____"** You write your inquiry after the colon.
Class Hour	**Monday - Thursday: 5:30pm–7:45pm** https://fhda-edu.zoom.us/j/84972820789 Passcode: 057270

CLASS MODE
This is an online and instructional method is **synchronous.**
Lectures will be delivered online via Zoom:

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 either Canvas or MyOpenMath, **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-18Z**
  - If you are a new student to the system, click "register as a new student."
    Enter the course ID and Enrollment Key:
    Course ID: **231057**
    Enrollment Key: **da1a18**

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.

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/ .

CANVAS
You are expected to check our Canvas page frequently to see
- **Modules:** A new module will be created every week, and all the lectures and the assignments will be listed in each module.
- **Files:** Formula Sheets or any documents will be posted on the Files tab.
- **Announcements:** Emergencies, date change, change of plans, and etc.

READING or WATCHING VIDEOS
In general, you should do the assigned reading section or watching video before the topics come up in class or in the homework. Throughout the quarter, I'll always assume that you've done all of the reading section or watching video.

ALL ASSIGNMENTS (Homework, Quiz, and Exam)
   Late Submission = Zero Credit
   Regardless of why you missed it**;**
- **Late submissions are not acceptable**, and there is **no exception**.
- **Do not ask for any extensions**.
- Submission of each homework and quiz assignment is due at **11:59pm** on each due date.

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

ATTENDANCE (Extra points)
- You are expected to attend all classes, arrive on time, and stay for the entire class.
- Your participation will be checked in Canvas on each day.
- Each attendance is worth **1 point** as an extra point.

STUDENT CONTRACT
- Please read "Student Contract" carefully and write your signature (do NOT type your name) and date. And then upload it into "Assignments" in Canvas by July 7.

SCORE SHEET
- You will record all scores in the score sheet which will be uploaded into "Assignments" in Canvas by August 7.

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.
- **Three lowest percentages will be dropped**.
- Submissions are due at **11:59pm** on each due date.

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 **11:59pm** on each due date.
- Each quiz is worth **4 points.**
- **Three lowest scores will be dropped** at the end of the course.

EXAMS
- There will be **two** exams (90 min-exams) in either Canvas or MyOpenMath.
- Each exam is worth **120 points**.
- **One submission** is allowed for each question.
- **For each exam, you must upload all your written work; otherwise, your score does not count toward your course grade.**
- All the exams are **closed-book.**
- You may use **one 8.5 X 11 inch sheet of handwritten notes (one side**).
- **No calculator** is allowed .(No calculator on computer screen is allowed.)
- **NO phones**, and **other aids** are allowed.
- **Two electronics devices are required**.(Laptop, desktop, tablet, smartphone, webcam, etc..)
- **Your exam will be proctored via Zoom**.
- There are **no dropped exams.**

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 **Aug 8 (5:30pm-7:30pm)**.
- 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.
- **NO phones**, and **other aids** are allowed.
- **Two electronics devices are required**.(Laptop, desktop, tablet, smartphone, webcam, etc..)
- **Your final exam will be proctored via Zoom**.
- There are **no make-up final exams**, regardless of why you missed it**.**

GRADES

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

Homework-MyOpenMath **Three lowest percentages will be dropped.**		80 pts
Quizzes - CANVAS (4pt each) **Three lowest scores will be dropped.**		80 pts
Midterms- CANVAS or MyOpenMath (120pts each)		240 pts
Final Exam- CANVAS or MyOpenMath		200 pts
Total		600 pts

Points		Percentage
558 – 600	**A**	93%-100%
540 – 557	**A-**	90%-92.9%
510 – 539	**B+**	85%-89.9%
480 – 509	**B**	80%-84.9%
450 – 479	**B-**	75%-79.9%
432 – 419	**C+**	72%-74.9%
408 – 431	**C**	68%-71.9%
390 – 407	**C-**	65%-67.9%
372 – 389	**D+**	62%-64.9%
348 – 371	**D**	58%-61.9%
330 – 347	**D-**	55%-57.9%
Below 330	**F**	Below 55%

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 even if you miss class.
   Note: I will not answer any Math questions over email.
2. Students are responsible for any material covered and any announcements made in their Absence. It is your responsibility to find and use all materials posted in CANVAS.
3. You are expected to attend all classes via zoom. If you miss class, please send me an email explaining the reason.
4. It is your responsibility to submit all assignments on time.
   Note: There are no make-ups and no extensions will be granted.
5. If you plan on dropping the class, it is your responsibility to use "MyPortal" online, or contact Admissions and Records office.
6. It is your responsibility to record all the scores you have earned, using a "Score Sheet."
7. Please type "**Math1A-14Z**" in the subject line when you contact me by email.
   Your email will not be read without the course and section number in the subject line.

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

Summer 2024	Math 1A Tentative Course Schedule

Week 1 **July 1- 4**	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) Section 2.3: Calculating Limits Using the Limit Laws (2.3) Section 2.5: Continuity (2.4) **No Class on July 4**
Week 2 **July 8- 11**	Section 2.6: Limits at Infinity, Horizontal Asymptotes (4.6) 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) 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)
Week 3 **July 15 - 18**	Review **Exam 1 (2.1 - 2.8 & 3.1 - 3.4)** on **July 16** Section 3.5: Implicit Differentiation (3.8) Section 3.6: Derivatives of Logarithmic and Inverse Trigonometric Functions (3.7) (3.9) Section 3.9: Related Rate (4.1)
Week 4 **July 22 - 25**	Section 3.9: Related Rate (4.1) 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) 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)
Week 5 **July29–Aug1**	Review **Exam 2 (3.5 - 3.10 & 4.1- 4.4)** on **July 30** Section 4.5: Summary of Curve Sketching (4.5) Section 4.7: Optimization Problems (4.7) Section 4.8: Newton's Method (4.9)
Week 6 **Aug 5 – 8**	Section 4.9: Antiderivatives (4.10) Section 10.1: Curves Defined by Parametric Equations(7.1) Section 10.2: Calculus with Parametric Curve(7.2) Review for Final **Final Exam** on **Aug 8 (5:30pm-7:30pm)**

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."

IMPORTANT DAYS TO REMEMBER

July 2, Tuesday	Last day to drop for a full refund or credit
July 8, Monday	Last day to add.
July 30, Tuesday	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: