Math1C Calculus III
Spring 2022, Section 52Z, CRN 47500

INSTRUCTOR INFORMATION

Instructor	MISAKO VAN DER POEL
Email	**van_der_poelmisako@fhda.edu** Please following the format of the subject line stated below. **"Math 1C: _____"** You write your inquiry after the colon.
Office Hours	**Monday & Wednesday: 6:00pm–6:50pm** or email me for appointments on Monday through Friday. **ZOOM LINK** https://fhda-edu.zoom.us/j/93521333590 Passcode: **431561**

CLASS MODE

This class is **asynchronous and fully online.**
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. Watching **Lecture Video** in Canvas. 
2. Taking **Quizzes** in Canvas. 

3. Completing hand written **Worksheets, scan, and upload it** in Canvas. 
4. Completing **Homework assignments** in WebAssign. 

5. Taking **Midterm Exams** in WebAssign. 

6. Taking **Final Exam proctored by the instructor using Zoom.** 

PREREQUISITES

Math 1B (with a passing grade of C or better) or equivalent.

MATERIALS

- Calculus: Early Transcendentals, by James Stewart, Thomson/Brooks/Cole, 9th. Ed(**Optional**)
- Use of **WebAssign is required** to complete homework and exams.
- Access CANVAS, click "Module" to find "WebAssign, and register for your account.
- 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.

You will need to purchase online access to use WebAssign. The special price for De Anza students is **$60**. The link below contain information on how to purchase at the special price:
https://www.cengage.com/coursepages/Canvas_Integrated

OTHER REQUIRED MATERIAL

- **Two electronics devices (Laptop, desktop, tablet, smartphone, webcam, etc..)** are needed for taking 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

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 **watch the lecture videos** and/or **read the power point presentations**.
- **WebAssign:** Homework and exams will be assigned and graded on WebAssign.
  (In WebAssign, you can access **eBook**, so please read each section before the topics come up or in the homework.)

Files:

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

WORKSHEET

- In Canvas, Worksheet will be assigned in "Assignments" and **no late work** will be accepted.
- **No extensions** will be granted.
- Each worksheet assignment is worth **5 points** and **three lowest scores will be dropped** at the end of the course.
- Submissions are due at **6:00pm** on each due date.

You are required to

1. **Download** the worksheet from Canvas.
2. **Print** the worksheet to complete it or write your answers using a sheet of paper if you cannot access a printer.
3. **Scan your work** as PDF and **upload** it into "Assignment" in Canvas. (Student worksheet sent by email will NOT be graded and will **receive "0" point.**)

QUIZZES

Quizzes will be assigned 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 **6:00pm** on each due date.
- Each quiz is worth **5 points.**
- You can drop **three lowest scores.**

HOMEWORK

- Homework will be assigned in WebAssign and **no late work** will be accepted.
- **No extensions** will be granted.
- **Five submissions** are allowed for each question.
- Each homework assignment is worth **5 points** and **four lowest scores will be dropped**.
- Submissions are due at **6:00pm** 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 **three** exams (one hour-exams) in WebAssign.
- Each exam is worth **100 points**.
- **One submission** is allowed for each question.
- All the midterms are open-book and open-notes.
- You may use a **calculator**.
- **One lowest score** will be dropped. (If you take all three exams, then 10% of the highest exam score will be given as an extra point.)
- Submissions are due on Sunday at **6:00pm** on each due date.
- If you seek for assistances to complete the exam, your exam score is zero and you will get an F in this course.

***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, then the missed exam score can be dropped. 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 during the Final Exam Week (June21 – June24).
- The final will cover all the material discussed during the quarter.
- 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

In general, you should do the assigned reading section 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.

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 (5pt each) **Four lowest scores will be dropped.**	100 pts
Quizzes - CANVAS (5pt each) **Three lowest scores will be dropped.**	50 pts
Worksheest-CANVAS (5pt each) **Three lowest scores will be dropped.**	50 pts
Midterms (100pt each) **One lowest score will be dropped.**	200 pts
Final Exam-WebAssign	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 on CANVAS.
   Note: For a relatively long math questions, please make an appointment with me to have a zoom meeting.
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

Saturday, April 16	Last day to add quarter-length classes
Sunday, April 17	Last day to drop for a full refund or credit.
Friday, May 27	Last day to drop with a "W"

Spring 2022 Math 1C Course Schedule

Assignments Due at 6:00pm

Week 1 (Apr 6 – 10)	Review for Math1B Section 11.1: Sequences	Quiz No.0 (Extra Credit) due on **Apr 10**
Week 2 (Apr11 – 17)	Section 11.2: Series Section 11.3: The integral test Section 11.4: The comparison tests	**Worksheet No.0 (Extra Credit)** **Worksheet No.1& No.2** **Quiz No.1** **HW 11.1** due on **Apr 17**
Week 3 (Apr 18 – 24)	Section 11.5: Alternating series Section 11.6: Absolute convergence and the Ratio and Root Tests Section 11.7: Strategy for Testing Series	**Worksheet No.3** **Quiz No.2** **HW 11.2 – 11.4** due on **Apr 24**
Week 4 (Apr25–May1)	Section 11.8: Power series **Exam 1 (11.1-11.8)** due on **May 1 (6:00pm)**	**Worksheet No.4** **Quiz No.3** **HW 11.5 – 11.8** due on **May 1**
Week 5 (May 2 – 8)	Section 11.9: Representation of functions as power series Section 11.10: Taylor and Maclaurin series Section 11.11: Applications of Taylor Polynomials	**Worksheet No.5** **Quiz No.4** due on **May 8**
Week 6 (May 9 – 15)	Section 10.1: Curves Defined by Parametric Equations Section 10.2: Calculus with Parametric Curves Section 10.3 Polar Coordinates	**Quiz No.5 & No.6** **HW 11.9 – 11.11** due on **May 15**
Week 7 (May 16 – 22)	Section 10.4: Areas and Lengths in Polar Coordinates **Exam 2 (11.9-10.4)** due on **May 22 (6:00pm)**	**Worksheet No.6** **Quiz No.7** **HW 10.1– 10.4** due on **May 22**
Week 8 (May 23 – 29)	Section 12.1: Three-dimensional Coordinate Systems Section 12.2: Vectors Section 12.3: Dot Product	**Worksheet No.7** **Quiz No.8** due on **May 29**
Week 9 (May 30–Jun5)	Section 12.4: Cross Product Section 12.5: Equations of Lines and Planes Section 12.6: Cylinders and Quadric Surfaces	**Worksheet No.8 & No.9** **Quiz No.9 & No.10** **HW 12.1 – 12.3** due on **June 5**
Week 10 (Jun 6 – 12)	Section 13.1: Vector Functions and Space Curves Section 13.2: Derivatives and Integrals of Vector Functions **Exam 3 (Ch12 & 13.1-13.2)** due on **June 12 (6:00pm)**	**Worksheet No.10** **HW 12.4 – 12.6** **HW 13.1 – 13.2** due on **Jun 12**
Week 11 (Jun 13 – 19)	Section 13.3: Arc Length and Curvature Section 13.4: Motion in Space: Velocity and Acceleration Review for Final	**Worksheet No.11- No.13** **Quiz No.11- No.13** **HW 13.3 – 13.4** due on **June 19**
Week 12 (Jun 20 – 24)	**Final Exam** between **June 21** and **June 24**	

Student Learning Outcome(s):

*Graphically, analytically, numerically and verbally analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.
*Apply infinite sequences and series in approximating functions.
*Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.