Math1B Calculus
Winter 2022

INSTRUCTOR INFORMATION

Instructor	MISAKO VAN DER POEL
Email	**van_der_poelmisako@fhda.edu** Please follow the format of the subject line stated below. **"Math 1B: _____"** You write your inquiry after the colon.
Zoom Link	https://fhda-edu.zoom.us/j/99442028819 Passcode: **974926**
Office Hours	**Monday & Wednesday: 6:15pm–6:45pm** or email me for appointments on Monday through Friday.

COURSE

Section: 26Z   Course Number: 36431   Time: 4:00p.m. – 6:15p.m.   MW

CLASS MODE

This class is **synchronous** and held via Zoom.
Being present is crucial and necessary for doing well in the course.
The due date of all the assignment follows the **U.S. Pacific Standard Time (PST).**

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 exams.
- **All handouts** are posted in CANVAS.

TECHNOLOGY

- You will need a **laptop** or other **keyboard-based computer** that connects to the internet.
- Your laptop must have an attached **webcam** and working **microphone**.
- 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: <br> 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

PREREQUISITES
Math 1A or equivalent (with a grade of C or better); or a satisfactory score on the College Level Math Placement Test within the last calendar year.

CANVAS
You can access CANVAS as follows:
1. Log into **MyPortal**
2. Click on the ▦ Apps link in the left hand navigation on page, and then choose 🔴
3. Next, choose "Login to De Anza Canvas Site"
4. Once on the Canvas site, select the following class.
   W22 MATH D001B Calculus 26Z

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 lecture contents and the assignments will be listed in the module.
- You can **read the power point presentations**.
- **WebAssign:** Homework and exams will be assigned and graded in WebAssign.

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

Assignments:
You are required to upload your **Worksheet** into "Assignment" in Canvas.

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

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.

WORKSHEET
- Worksheet will be assigned in Canvas daily and **no late work** will be accepted.
- **No extensions** will be granted.
- Each worksheet assignment is worth **5 points** and **five lowest scores will be dropped** at the end of the course.
- Submissions are due at **3:00pm** 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 on a sheet of paper if you cannot access a printer.
3. **Scan your work** as PDF and **upload** it to "Assignment" on Canvas. (Student worksheet sent by email will NOT be graded and will **receive "0" point.**)

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 **5 points** and **five lowest scores will be dropped**.
- Submissions are due at **3:00pm** 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 **3:00pm** 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**, and it will be assigned in WebAssign.
- Final exam must be taken during the scheduled exam time on **March 23 at 4:00pm-6:00pm**.
- 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**.

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) **Five lowest scores** will be dropped.	100 pts
Worksheet-CANVAS　　(5pt each) **Five lowest scores** will be dropped.	100 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 even if you miss class.
   Note: I will not answer any Math questions over email.
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 "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

Winter 2022   Math 1B Course Schedule

Week #	Section #	Assignments	Due Date
Week 1 **(Jan 3)**	Review for Section 4.9 Section 5.1: Areas and Distances Section 5.2: The Definite Integral	Worksheet No.0 Worksheet No.1	Jan 5 Jan 7
Week 2 **(Jan 10)**	Section 5.3: The Fundamental Theorem of Calculus Section 5.4: Indefinite Integrals and the Net Change Theorem Section 5.5: The Substitution Rule	Worksheet No.2 Worksheet No.3 **Diagnostic Test** **HW 5.1 - 5.2**	Jan 12 Jan 14 Jan 16 Jan 16
Week 3 **(Jan 17)**	**Jan 17 No Class** Section 6.1: Areas Between Curves Section 6.2: Volumes	Worksheet No.4 Worksheet No.5 **HW 5.3 - 5.5**	Jan 17 Jan 19 Jan 23
Week 4 **(Jan 24)**	Section 6.3: Volumes by Cylindrical Shells Section 6.4: Work Section 6.5: Average Value of a Function **Exam 1 (Ch 5 & 6)** due on **Jan 30 (3:00pm)**	Worksheet No.6 Worksheet No.7 Worksheet No.8 **HW 6.1 - 6.5**	Jan 24 Jan 26 Jan 28 Jan 30
Week 5 **(Jan 31)**	Section 3.11: Hyperbolic Functions Section 7.1: Integration by Parts Section 7.2: Trigonometric Integrals	Worksheet No.9 Worksheet No.10	Jan 31 Feb 2
Week 6 **(Feb 7)**	Section 7.2: Trigonometric Integrals Section 7.3: Trigonometric Substitution Section 7.4: Integration of Rational Functions by Partial Fractions	Worksheet No.11 Worksheet No.12 **HW 7.1**	Feb 7 Feb 9 Feb 13
Week 7 **(Feb 14)**	Section 7.5: Strategy for Integration Section 7.7: Approximate Integration Section 7.8: Improper Integrals **Exam 2 (Ch 7)** due on **Feb 20 (3:00pm)**	Worksheet No.13 Worksheet No.14 **HW 7.2 - 7.8**	Feb 14 Feb 16 Feb 20
Week 8 **(Feb 21)**	**Feb 21 No Class** Section 8.1: Arc Length Section 8.2: Area of a Surface of Revolution	Worksheet No.15 Worksheet No.16 Worksheet No.17	Feb 21 Feb 23 Feb 25
Week 9 **(Feb 28)**	Section 8.3: Applications to Physics and Engineering Section 8.5: Probability Section 10.2: Calculus with Parametric Curves	Worksheet No.18 Worksheet No.19 **HW 8.1 - 8.3** **HW 10.2**	Feb 28 Mar 2 Mar 6 Mar 6
Week 10 **(Mar 7)**	Section 9.1: Modeling with Differential Equations Section 9.2: Direct Fields and Euler's Method Section 9.3: Separable Equations **Exam 3 (Ch 8 & 9)** due on **Mar 13 (3:00pm)**	Worksheet No.20 Worksheet No.21 **HW 9.1 - 9.2**	Mar 7 Mar 9 Mar 13
Week 11 **(Mar 14)**	Section 9.3: Separable Equations Section 9.4: Models for Population Growth Review for Final	Worksheet No.22 Worksheet No.23 **HW 9.3 - 9.4**	Mar 14 Mar 16 Mar 20
Week 12 **(Mar 21)**	**Final Exam** **March 23 Wednesday (4:00pm-6:00pm)**	Worksheet No.24 Worksheet No.25	Mar 21 Mar 21

IMPORTANT DAYS TO REMEMBER

Saturday, Jan 15	Last day to add quarter-length classes
Sunday, Jan 16	Last day to drop for a full refund or credit.
Friday, Feb 25	Last day to drop with a "W"

Student Learning Outcome(s):

*Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision.
*Formulate and use the Fundamental Theorem of Calculus.
*Apply the definite integral in solving problems in analytical geometry and the sciences.