

# Math1B Calculus II

## Spring 2022, Section 52Z, CRN 42897

### 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 1B: _____"</b> You write your inquiry after the colon.
Office Hours	<b>Monday &amp; Wednesday: 6:00pm–6:50pm</b> or email me for appointments on Monday through Friday. <b>ZOOM LINK</b> <a href="https://fhda-edu.zoom.us/j/93521333590">https://fhda-edu.zoom.us/j/93521333590</a> Passcode: <b>431561</b>

### 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 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.

### 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](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](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 on 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**.
- **Three 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 **5 points** and **five 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:

<i>Homework-WebAssign</i> (5pt each) Five lowest scores will be dropped.	100 pts
<i>Quizzes - CANVAS</i> (5pt each) Three lowest scores will be dropped.	50 pts
<i>Worksheets-CANVAS</i> (5pt each) Three lowest scores will be dropped.	50 pts
<i>Midterms</i> (100pt each) One lowest score will be dropped.	200 pts
<i>Final Exam-WebAssign</i>	200 pts
<b>Total</b>	<b>600 pts</b>

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

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/studentuccess/>
- **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: 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](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/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 1B Course Schedule

Assignments Due at **6:00pm**

<b>Week 1</b> (Apr 6 – 10)	Review for Section 4.9 Section 5.1: Areas and Distances Section 5.2: The Definite Integral	<b>Quiz No.0 (Extra Credit)</b> due on <b>Apr 10</b>
<b>Week 2</b> (Apr11 – 17)	Section 5.3: The Fundamental Theorem of Calculus Section 5.4: Indefinite Integrals and the Net Change Theorem Section 5.5: The Substitution Rule	<b>Worksheet No.0 (Extra Credit)</b> <b>Worksheet No.1&amp; No.2</b> <b>Quiz No.1&amp; No.2</b> <b>HW 5.1 - 5.2</b> due on <b>Apr 17</b>
<b>Week 3</b> (Apr 18 – 24)	Section 6.1: Areas Between Curves Section 6.2: Volumes Section 6.3: Volumes by Cylindrical Shells	<b>Worksheet No.3 &amp; No.4</b> <b>Quiz No.3 &amp; No.4</b> <b>HW 5.3 - 5.5</b> due on <b>Apr 24</b>
<b>Week 4</b> (Apr25 – May 1)	Section 6.4: Work Section 6.5: Average Value of a Function <b>Exam 1 (Ch 5 &amp; 6) due on May 1 (6:00pm)</b>	<b>Worksheet No.5</b> <b>Quiz No.5</b> <b>HW 6.1 - 6.5</b> due on <b>May 1</b>
<b>Week 5</b> (May 2 – 8)	Section 3.11: Hyperbolic Functions Section 7.1: Integration by Parts Section 7.2: Trigonometric Integrals	<b>Worksheet No.6</b> <b>Quiz No.6</b> due on <b>May 8</b>
<b>Week 6</b> (May 9 – 15)	Section 7.3: Trigonometric Substitution Section 7.4: Integration of Rational Functions by Partial Fractions Section 7.5: Strategy for Integration	<b>Worksheet No.7 &amp; No.8</b> <b>Quiz No.7 &amp; No.8</b> <b>HW 7.1 – 7.2</b> due on <b>May 15</b>
<b>Week 7</b> (May 16 – 22)	Section 7.7: Approximate Integration Section 7.8: Improper Integrals <b>Exam 2 (Ch 7) due on May 22 (6:00pm)</b>	<b>Worksheet No.9</b> <b>Quiz No.9</b> <b>HW 7.3 – 7.8</b> due on <b>May 22</b>
<b>Week 8</b> (May 23 – 29)	Section 8.1: Arc Length Section 8.2: Area of a Surface of Revolution Section 8.3: Applications to Physics and Engineering	<b>Worksheet No.10 &amp; 11</b> <b>Quiz No.10</b> due on <b>May 29</b>
<b>Week 9</b> (May 30–Jun 5)	Section 8.5: Probability Section 10.2: Calculus with Parametric Curves Section 9.1: Modeling with Differential Equations	<b>Worksheet No.12</b> <b>Quiz No.11</b> <b>HW 8.1 – 8.3</b> due on <b>June 5</b>
<b>Week 10</b> (Jun 6 – 12)	Section 9.2: Direct Fields and Euler's Method Section 9.3: Separable Equations <b>Exam 3 (Ch 8 &amp; 9) due on June 12 (6:00pm)</b>	<b>Quiz No.12 &amp; No.13</b> <b>HW 10.2 &amp; HW 9.1</b> due on <b>June 12</b>
<b>Week 11</b> (Jun 13 – 19)	Section 9.4: Models for Population Growth Review for Final	<b>Worksheet No.13</b> <b>HW 9.2 – 9.4</b> due on <b>June 19</b>
<b>Week 12</b> (Jun 20 – 24)	<b>Final Exam</b> between <b>June 21</b> and <b>June 24</b>	

**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.