



Mathematics Department  
Physical Sciences, Mathematics, & Engineering Division  
**Math 1A: Calculus (Section 5)**  
**Syllabus**  
**Summer 2021**

---

**Instructor:** Ms. Jennifer gutierrez

**Office Hours:** Mondays & Wednesdays 1:00 – 1:40pm.

**Email:** [gutierrezjennifer@fhda.edu](mailto:gutierrezjennifer@fhda.edu)

**Office:** Zoom Video

### Required Materials

- (1) Calculus Early Transcendentals; 8th ed, by James Stewart, with WebAssign.
- (2) <https://www.desmos.com/calculator>
- (3) Scanner such as the CamScanner app, Genius Scan app, a printer, or any other scanning application/ device.
- (4) A webcam such as a stand-alone device, laptop, or phone is strongly recommended.

### Course Description

We will focus on the fundamentals of differential calculus.

### Course Structure

This course will be meeting synchronously over Zoom. We will meet during the scheduled days & times, i.e. **Mondays – Thursdays from 10:00am – 12:15pm**. Class attendance & participation are mandatory.

### Student Mentality

Students are highly encouraged to come into this course with a new mindset. This means that students are asked to leave behind any prejudice or previous bad experience with math & begin this course with a positive attitude. Furthermore, successful students will ask questions, seek help, & be proactive with their education. Because this course runs over a span of 6 weeks, it will be fast-paced. This means you should expect to set aside at least 25 hours per week to study the class material.

### Communication

The instructor will communicate via email &/or thru Canvas. It is essential to check your email frequently & be aware of any communication posted or sent in Canvas. When emailing the instructor, please write in the email's subject line: **Math 1A (Section 5)**. You can expect a response from the instructor within 24 hours if you email during the week.

To be current with the communication in Canvas, students can update Canvas notification settings following these steps: log into *Canvas* → go to *Account* → go to *Notifications* & adjust your *Notification Preferences* so that you have selected “*Notify me right away*” for Announcement, Submission Comment, Discussion Post & Conversation Message. The other notification settings are up to you.

### Course Evaluation

|                            |      |                       |      |
|----------------------------|------|-----------------------|------|
| (1) Homework               | 25%  | (4) Discussion Boards | 2.5% |
| (2) Checkpoints            | 5%   | (5) 3 Midterm Exams   | 45%  |
| (3) In-class Participation | 2.5% | (6) 1 Final Exam      | 20%  |

## **Homework**

Expect every section to have a homework assignment in WebAssign. All homework assigned in any given week will be due the following Monday 11:59pm. (For example, all homework assigned on Week 1 will be due on the Monday of Week 2). You should aim to do much of the homework the day the section is covered.

Given the nature of this course, you may request an extension of 2 days following the deadline of a homework assignment. At most 3 homework extension requests are allowed.

Note: Week 6 homework will be due Friday (08/06) 11:59pm.

## **Checkpoints**

The checkpoint assignments are intended to (1) assess your understanding of the previous week's material, (2) ensure you are writing correct mathematics, (3) for you to learn from your mistakes, & (4) to prepare you for the exams.

A single checkpoint assignment will consist of two parts:

(Part 1) your work from the checkpoint questions

(Part 2) the scoring of your own work with the rubric provided.

Your checkpoint assignment grade depends on both parts mentioned above – each of which is worth 5 points.

Tuesdays → Checkpoint questions will be posted as a PDF file in Canvas at 7:00am.

Wednesdays → Submit your work from the questions (Part 1) as a PDF file in Canvas. This is due by 11:59pm.

Thursdays → The rubric (Part 2) will be provided as a PDF file in Canvas at 7:00am. You will fill out the rubric & submit it in Canvas by 11:59pm.

The weekly checkpoint assignments will begin with Week 2. Late checkpoints are **not** accepted.

## **In-class Participation**

The learning experience is enriched when we (1) ask questions, & (2) work with others. Expect to participate in our Zoom class meetings by typing in the chat, speaking, answering polls, or working with others.

On occasion you will have the opportunity to do groupwork with your classmates via Zoom breakout rooms. You are expected to have either your webcam or microphone on.

## **Discussions**

Discussion boards serve multiple purposes: (1) to interact with your fellow peers throughout the term, (2) to help each other on the homework assignments, & (3) to create a support system with one another.

Expect weekly discussion boards in Canvas, where the details & instructions will be posted. Discussion boards close at 11:59pm on Mondays. Late discussion responses are **not** accepted.

## **Exams**

Expect all 4 exams (3 midterms + 1 final) to be assigned on the weeks scheduled in the calendar below. You are asked to have your camera on to ensure sufficient proctoring of academic integrity. Late exams are **not** accepted.

The final exam is comprehensive. If you do not take the final exam, you will **not** receive a passing grade.

**Grading System**

|    |                      |
|----|----------------------|
| A  | $94\% \leq x$        |
| A- | $90\% \leq x < 94\%$ |
| B+ | $87\% \leq x < 90\%$ |
| B  | $83\% \leq x < 87\%$ |
| B- | $80\% \leq x < 83\%$ |
| C+ | $77\% \leq x < 80\%$ |
| C  | $70\% \leq x < 77\%$ |
| D  | $60\% \leq x < 70\%$ |
| F  | $x < 60\%$           |

**Student Success Center**

Need help with this course? Want more personal connections this quarter? Student Success Center tutors & workshops are ready for you! Watch the [SSC Welcome Video](#) to learn more.

- (1) Tutoring: To join a Zoom tutoring room during open hours, go to <http://deanza.edu/studentssuccess>.
- (2) Workshops: Attend a [Skills Workshop](#), a [content-specific math/science workshop](#), an [Accounting chapter review workshop](#), or a [Listening and Speaking workshop](#).
- (3) Resources: Join the [SSC Resources Canvas site](#) to see content & learning skills links.
- (4) After-hours or weekend tutoring: See the [Online Tutoring](#) page for information about NetTutor (via Canvas).

**Academic Integrity**

Academic dishonesty will not be tolerated. Students are not to copy, cheat, forge, nor obtain an unfair advantage with any assignment in this course. Appropriate actions will be pursued in suspicion of academic violations. For more information, read [https://www.deanza.edu/policies/academic\\_integrity.html](https://www.deanza.edu/policies/academic_integrity.html).

**Disability Accommodations**

"Students who have been found to be eligible for accommodations by Disability Support Services (DSS), please follow up to ensure that your accommodations have been authorized for the current quarter. If you are not registered with DSS and need accommodations, please go to the DSS office in the Registration & Student Services Building (RSS) – Room 141 for information on eligibility and how to receive support services. You can also go online to <https://www.deanza.edu/dsps/> (Links to an external site.) for additional information."

**Recording Policy**

"To ensure compliance with the Family Education Rights and Privacy Act (FERPA), student recording of class lectures or other activities is generally prohibited without the explicit written permission of the instructor and notification of other students enrolled in the class section. Exceptions are made for approved accommodations under the Americans with Disabilities Act."

|          | <b>Monday</b>   | <b>Tuesday</b>              | <b>Wednesday</b>                   | <b>Thursday</b>   |
|----------|---|-----------------------------|------------------------------------|---|
| <b>1</b> | <b>06/28</b><br>Section 2.1                               | <b>06/29</b><br>Section 2.2 | <b>06/30</b><br>Section 2.3        | <b>07/01</b><br>Section 2.5                                   |
| <b>2</b> | <b>07/05</b><br>No class.                                 | <b>07/06</b><br>Section 2.6 | <b>07/07</b><br>Section 2.7        | <b>07/08</b><br>Section 2.8 & 3.1                             |
| <b>3</b> | <b>07/12</b><br>Lecture<br><b>Exam 1 (Ch. 2)</b>          | <b>07/13</b><br>Section 3.2 | <b>07/14</b><br>Section 3.3        | <b>07/15</b><br>Section 3.4 & 3.5                             |
| <b>4</b> | <b>07/19</b><br>Section 3.6                               | <b>07/20</b><br>Section 3.9 | <b>07/21</b><br>Section 3.10 & 4.1 | <b>07/22</b><br>Lecture<br><b>Exam 2 (Ch. 3)</b>              |
| <b>5</b> | <b>07/26</b><br>Section 4.2                               | <b>07/27</b><br>Section 4.3 | <b>07/28</b><br>Section 4.4        | <b>07/29</b><br>Section 4.5 & 4.7                             |
| <b>6</b> | <b>08/02</b><br>Lecture<br><b>Exam 3 (Sec. 4.1 – 4.5)</b> | <b>08/03</b><br>Section 4.8 | <b>08/04</b><br>Section 4.9        | <b>08/05</b><br><br><b>Final Exam<br/>(Ch. 2, 3, &amp; 4)</b> |

**Note:** The instructor reserves the right to modify the syllabus & the schedule accordingly. Any changes made will be communicated via email & posted in Canvas. All times listed on this syllabus are in Pacific Standard Time.

**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.