

# MATH 1B: Calculus

## General Information

- **Course Number:** Math 1B
- **Institution:** De Anza College
- **Terms and Dates:** Winter 2020, Jan 6, 2020 - March 27, 2020
- **Lectures:** M/W 4:00-6:15PM
- **Class Location:** DA-G2
- **Instructor:** Maryam Adamzadeh, [adamzadm@fhda.edu](mailto:adamzadm@fhda.edu)
  - **Office Hours:** M/W 6:30-7:30PM, Room E37.
- **Reference:** Calculus: Early Transcendental, 8th edition, by James Stewart, published by Thomson Brooks, 2016.
- **Prerequisite:** Mathematics 1A and one of the following: Mathematics 43 or 49B (with a grade of C or better), or appropriate score on the Calculus Placement Test within the past calendar year.
- **Web:** All course materials will be on Canvas.

## About the Course

### Grading Rubric:

- Homework: 20%
- Exams: 60%
- Final Exams: 20%

Grading will follow the De Anza College standard breakdown on a total percentage scale. [90, 100] for A, [87, 89.99] for  $B^+$ , [83, 86.99] for  $B$ , [80, 82, 99] for  $B^-$ , [77, 79.99] for  $C^+$ , [70, 76.99] for  $C$ , [60, 69.99] for  $D$ , [0, 59.99] for  $F$ . All grades in Canvas automatically follow this scheme.

### Homework:

Homework will be assigned and due on a regular basis on the course Canvas. Students are welcome to collaborate on homework, but really do understand the homework material by making your hands dirty and write up the final version of solutions on your own. A due date is shown on each homework assignment on Canvas. If you need an extension due to well-documented emergencies, let

the instructor know ahead of the deadline. **Lined paper is required.**

**Exams:**

There will be four in-class exams and one comprehensive final exam. Exams are closed book. Make-up exam will be offered for students who have well-documented emergencies approved by the instructor and reported within the first two weeks of class.

**Calculators:**

A calculator may be used for homework and exams. No cell phone calculators will be allowed during exams.

**Attendance:**

Attendance in class is mandatory. Any absences or tardiness will result in lost points. Arriving late and leaving early are disruptive, so it is important for students to attend the class on time and participate in all the activities in class for the learning process.

**Important Dates:**

It is the responsibility of the student to confirm the dates below.

Saturday, Jan 18: Last day to add classes.

Sunday, Jan 19: Last day to drop with refund.

Friday, Jan 31: Last day to request pass/no pass grade.

Friday, Feb 28: Last day to drop with "W".

**Note:**

Exams dates may/will change. Changes will be announced in class. It is the student's responsibility to check and confirm the final exam date and time.

**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.

Tentative Schedule Winter 2020

Week	Monday	Wednesday
1 (Mon 01/06)	5.1	5.2
2 (Mon 01/13)	5.3, 5.4	5.5, 6.1
3 (Mon 01/20)	<b>No Class</b>	6.2, Review 1
4 (Mon 01/27)	Exam 1	6.2, 6.3
5 (Mon 02/03)	6.5, 7.1	Review 2
6 (Mon 02/10)	Exam 2	7.2
7 (Mon 02/17)	<b>No Class</b>	7.3
8 (Mon 02/24)	7.4	7.5
9 (Mon 03/02)	7.8, 8.1	Review 3
10 (Mon 03/09)	Exam 3	8.3, 8.5
11 (Mon 03/16)	9.1, 9.2	9.3
12 (Mon 03/23)		<b>Final Exam 4:00-6:00PM</b>

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- \*Apply the definite integral in solving problems in analytical geometry and the sciences.