

# MATH 1D.63. 01205

## Multivariable Calculus Spring 2020

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**Class Location and Time:** Tue Thu 06:30 PM-08:45 Online through Zoom (Link is posted on Canvas)

**Office Hours:** Friday 11-12 Through Zoom (Link is posted on Canvas)

**Text:** Calculus: Early Transcendentals, by James Stewart, 8th edition.

**Class Website:** Canvas which you can access through MyPortal to check grades, weekly announcements and assignments.

**Prerequisite:** Math 1C, or equivalent course with a grade "C" or better.

**Participation in online class:** Because this is an online class, there are no on-campus meetings to attend. However, this does not mean that you will be able to move through the class at your own speed. A major part of the class involves participation, discussing assignments and problems with your classmates.

Thus, everyone needs to be doing the same work at approximately the same time. You are expected to meet all deadlines for homework, quizzes, and discussions. We are learning a lot of different concepts that build on one another and it is very difficult to catch up if you fall behind.

Time management is critical in an online course. Attendance is required via actively participating online discussions through Canvas and Piazza.

### Sources of Help:

1- Piazza (Online Question and Answer Platform) [piazza.com](https://piazza.com) (Code is posted on Canvas)

2- Nettutor: [https://www.youtube.com/watch?time\\_continue=5&v=VlrPU34FzuY&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=5&v=VlrPU34FzuY&feature=emb_logo)

### Homework:

**Written sets for submission:** During the term, I will send out homework sets to be written up and submitted on Canvas. These sets will include problem solving, critical thinking and applications exercises. Write your homework out in full detail, as modeled in the textbook and in class. There will be a strong emphasis on how the solutions are written up in this class. A subset of these exercises will be graded for correctness and all of it will be graded for completeness.

**HW Guidelines:**

- Write your full name in the top right hand corner of the first page.
- Upload them on Canvas

**Discussions:** There will be weekly discussion topics posted throughout the quarter. The deadline for responding to the topic will be indicated when the assignment is posted. You may not respond to the discussion once the deadline has passed.

**Quizzes:** There will be regular online quizzes. The quizzes will be accessible via a link under the appropriate week. You will have a limited amount of time to complete the quizzes and deadlines will be announced in advance.

**Projects:** Three projects will be assigned throughout the quarter and each will be worth 10 points. Project due dates are indicated on the calendar and Canvas.

**Exam Reviews:** There will be an exam review assigned before each exam worth 10 points each. The purpose of the review is to aid the student in studying for the exams.

**Exams:** There will be **three exams** to test your understanding of the concepts from lecture and the homework. They should be straightforward for those who complete and understand the homework. Each exam will be worth 100 points. A total of 300 points will be counted toward your final grade

**No make-up exams will be given.** If you are forced to miss an exam, you need to contact me **before** the exam with a valid reason.

**Final Exam:** A comprehensive final exam worth 200 points will be given on the last day of the class.

**Grading Policy:**

Homework	(20 @ 1 pts)	2.86%
Canvas and Pizza Discussion	(10 Topics @ 2 pts)	2.86%
Quizzes	(10 @ 10 pts)	14.29%
Projects	(3 @ 10 pts)	4.29%
Midterm Review	(3 @ 10 pts)	4.29%
Midterms	(3 @ 100)	42.86%
Final	200	28.57%

De Anza Final exams schedule: <https://www.deanza.edu/calendar/final-exams.html>

For detailed information on Homework, Quizzes, Projects, Discussion please log into your Canvas course page.

**Attendance:**




Students may be dropped from the class if they stop participating. I may decide to drop you unless you convince me of your motivation to stay, and your grades support this motivation.

**Academic Integrity:** All students are expected to exercise high levels of academic integrity throughout the quarter. You are encouraged to work together but you are expected to write up your answers independently. Any instances of cheating or plagiarism will result in disciplinary action, including getting a '0' on the assignment and report to the PSME dean, which may lead to dismissal from the class or the college

**Student Honesty Policy:** "Students are expected to exercise academic honesty and integrity. Violations such as cheating and plagiarism will result in disciplinary action which may include recommendation for dismissal."

**Disability Statement:** De Anza College makes reasonable accommodations for people with documented disabilities. Please notify Disability Support Services (DSS) if you have any physical, psychological or other disabilities, vision, hearing impairments or ADD/ADHD. DSS is located in the student community services building, room 141. Phone number: 408-864-8753. "

## Spring 2020 Calendar

	 Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Week
<b>April</b>		6	7	8	9	10	11	1
	12	13 <i>First day of instruction</i>	14 Sec. 14.1	15	16 Sec. 14.2, 14.3	17	18	2
	19	20	21 Sec. 14.4, 14.5	22	23 Sec. 14.6, 14.7, Quiz 1	24 <i>Last day to drop no shows</i>	25 <i>Last day to add class</i>	3
<b>May</b>	26 <i>Deadline to drop w/refund</i>	27 <b>Census Day</b>	28 Sec. 14.8, 15.1	29	30 Sec. 15.2, Quiz 2	1	2	4
	3 14 HW Due	4	5 Exam 1 Review	6	7 Midterm 1	8	9	5
	10 	11	12 Sec. 15.3, 15.4	13	14 Sec. 15.5, 15.6, Quiz 3	15	16	6
	17	18	19 Sec. 15.7, 15.8	20	21 Sec. 15.9, 15.10, Quiz 4	22	23	7
	24 15 HW Due	25 <b>Holiday Memorial Day</b>	26 Exam 2 Review	27	28 Midterm 2	29	30	8
<b>June</b>	31	1	2 Sec. 16.1, 16.2	3	4 Sec. 16.3, 16.4, Quiz 5	5 <i>Deadline to drop with "W"</i>	6	9
	7	8	9 Sec. 16.5, 16.6	10	11 Sec. 16.7, 16.8	12	13	10
	14 16 HW Due	15	16 Exam 3 Review	17	18 Midterm 3	19	22	11
	21 	22	23	24	25	26	27	12
← <b>FINALS WEEK</b> →								

**Student Learning Outcome(s):**

\*Graphically and analytically synthesize and apply multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.

\*Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.

\*Synthesize the key concepts of differential, integral and multivariate calculus.