CRN 23994, Math 1D-13Z, Multivariable calculus  Academic Term: Fall 2020
Instructor: Bijan Sadeghi  E-mail: sadeghibijan@fhda.edu
TTh 01:30p.m.—03:45p.m.
Office hours: TTh 12:20-1:30 p.m., zoom: ID on Canvas

**Textbook:** Calculus: Early Transcendental; 8th edition, by James Stewart.
Your textbook should include a WebAssign access code. If not, you must purchase one separately.

**Prerequisite:** Math 1C or equivalent (with a grade of C of better).

**Attendance:** You are expected to attend all class lectures in their entirety. You may be dropped from the class if you are absent two times. Dropping or withdrawal from the class is the students' responsibility. A student discontinues coming to class and does not drop will get an "F" grade.

**Cheating:** Cheating is forbidden. There shall be no talking to, or unauthorized helping of other students, or copying from or looking at another student's paper during exams. A class/course grade of "F" will be given for any of the above infractions.

Students with Disabilities
Students with disabilities who qualify for academic accommodations must provide a notification from the Disability Support Services (DSS) and discuss specific needs with instructor, preferably during the first two weeks of class. Disability Support Service determines accommodations based on appropriate documentation of disabilities. DSS is located in Student Community Services building, room 141 and their phone number is (408) 864-875

**Homework:** All of the homework will be done online. Once you have your WebAssign access code, go to www.webassign.net, log-in and register, and enter the **Class Code:**
**deanza 3147 8584**

**Exams:** Two exams will be given during the quarter.

**Final Exam:** A two-hour comprehensive final exam will be given on Thursday, December 8 (1:30p.m. – 3:30p.m). This is a must exam. A grade of "F" will be assigned to those who miss the final exam.

**Grade:**

| | | **Percentage** | **Grade** | |
|---|---|---|---|---|
| | | [95-100] | "A+"; [90-95) | "A" |
| Homework | 200 points | [88-90) | "A-"; [85-88) | "B+" |
| Exams (2) | 200 points | [80-85) | "B"; [77-80) | "B-" |
| Final Exam | 200 points | [72-77) | "C+"; [65-72) | "C" |
| Total | 600 points | [61-65) | "D+"; [57-61) | "D" |
| | | [55-57) | "D-"; [0-55) | "F" |

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|---|---|---|---|---|---|---|---|---|---|
| Sept. | 22 | Ch.14 | 24 | Ch. 14 | 29 | Ch.14 | Oct. 1 | Ch. 14 | |
| Oct. | 6 | Ch.14 | 8 | *Ch. 14* | 13 | Ch.14 | 15 | Ch. 15 | **Exam 1** |
| Oct. | 20 | Ch.15 | 22 | Ch.15 | 27 | Ch.15 | 29 | Ch.15 | |
| Nov. | 3 | Ch. 15 | 5 | *Ch. 15* | 10 | Ch.16 | 12 | Ch. 16 | **Exam 2** |
| Nov. | 17 | Ch.16 | 19 | Ch.16 | 24 | Ch.16 | 26 | Thanksgiving | |
| Dec. | 1 | Ch.16 | 3 | Ch. 16 | 8 | Final | | | |

Oct. 3th Last day to add classes
Oct 4th Last day to drop classes for full refund
Oct 4th Last day to drop classes without a "W"
Nov 13th Last day to drop classes with "W"

**Footnote Information**

MATH-2A-07Z: TI-83 Plus or TI-84 Plus calculator recommended.This is an online class that meets each week on scheduled days and times as noted in the class listing. Students must have access to a computer, the internet and an individual email address. Most De Anza classes will use the Canvas course management system. We recommend a laptop or desktop computer to successfully complete the course; a tablet or phone may not be adequate for all assignments and tests. Information about Canvas and Online Education Orientation can be found in Canvas on the Student Resources page: https://deanza.instructure.com/courses/3382. The Student Online Resources hub with extensive information and tips can be found at deanza.edu/online-ed/students/remotelearning.

**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.