DE ANZA COLLEGE   **INSTRUCTOR:** *E. NJINIMBAM*
MATH *1D.12*   **OFFICE HOURS:** *(MW) 12:30-1:20 pm; (TTh) 6:30-8:15 pm*
ROOM *S46 (TTh) 1:30 - 3:45 p*   **OR**   *By Appointment*
FALL 2018   **OFFICE:** *S46A* ; **PHONE:** *(408)864-8545*

PREREQUISITE: Math 1C or equivalent.

TEXTBOOK: <u>CALCULUS – Early transcendentals ; 8th ed.,</u> James Stewart.

MATERIALS: Scientific calculator (*TI -84 recommended*.)

GOAL: To understand and be able to solve problems dealing with : vector functions;
                      multi-variate calculus--partial derivatives, multiple integrals; and topics in
                      vector calculus.

ATTENDANCE: You are expected to attend all class lectures in their entirety. You may be
                      dropped from the class if you are absent **three** times. *Dropping or
                      withdrawal from the class is the students' responsibility*. A student who
                      discontinues coming to class and does not drop will get an **F** grade.
                      (Prior notification is required to leave class before it is over)

It is the students' responsibility to contact/inform the instructor in the event of unforeseen circumstances.

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
                      tests. The use of cell phones or other communication devices is forbidden during
                      class and tests. A class/course grade of F will be given for any of the above
                      infractions.

HOMEWORK: Homework will be assigned everyday . Special homework sets, and assignments
                      will be given, collected, and graded as take home quizzes (group work).

QUIZZES: In-class quizzes (individual work), and take home quizzes (group work) will be
                      given. (A group consists of three to five partners). NO MAKE UPS .

TESTS: Tests (3) will be given during the quarter. NO MAKE UPS .
                      *One-half of the final exam grade will be used to replace lowest test score, if greater,
                       except in the case of cheating*.

FINAL EXAM: A two-hour comprehensive final exam will be given on
                      TUESDAY, DECEMBER 11 (*1:45-3:45 pm*). THIS IS A MUST EXAM.
                      A grade of **F** will be assigned to those who miss the final exam.

GRADE: Quizzes/Hwk---------------------200pts.   A: 90% - 100% (630+pts.)

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Tests (3) @ 100pts.-----------------300pts.        B : 80% - 89%   (560-629pts.)
Final Exam-------------------------200pts.          C : 60% - 79%   (420-559pts.)
         TOTAL                  700pts.              D : 50% - 59%   (350-419pts.)
                                                    F :  0%  - 49%   (0-349pts.)
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IMPORTANT DATES: See Reverse Side.

SEPT	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
	24 INSTRUCTION BEGINS	25 Chap 14 (14.1-14.8)	26	27 Chap 14	28	29	30	1
OCT OCT	1	2 Chap 14	3	4 Chap 14	5	6 (Last day to add)	7 (Last day to drop with no grade or record)	2
OCT	8 Census day	9 Chap 14	10	11 Chap 14/ Test 1	12	13	14	3
OCT	15	16 Chap 15 (15.1-15.9)	17	18 Chap 15	19 Last day to request Pass/No Pass	20	21	4
OCT	22	23 Chap 15	24	25 Chap 15	26	27	28	5
OCT / NOV	29	30 Chap 15	31	1 Chap 15	2	3	4	6
NOV	5	6 Chap 15	7	8 Chap 15/ Test 2	9	10	11	7
NOV	12 VETERAN"S DAY HOLIDAY	13 Chap 16 (16.1-16.9)	14	15 Chap 16	16 Last day to drop with a "W"	17	18	8
NOV	19	20 Chap 16	21	22 Thanksgiving Holiday	23 Thanksgiving Holiday	24	25	9
NOV / DEC	26	27 Chap 16	28	29 Chap 16	30	1	2	10
DEC	3	4 Chap 16/ Test 3	5	6 Chap 16	7	8	9	11
DEC	10 No Class	11 1:45-3:45 pm FINALS (S46)	12 No Class	13 No Class	14 No Class	15	16	12
DEC	17	18	19	20	21	22	23	13
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	

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.