DE ANZA COLLEGE
MATH *02A.11*
ROOM *S46; (M-F) 12:30-1:20 pm*
WINTER 2020

INSTRUCTOR: *E. NJINIMBAM*
OFFICE HOURS: *(M-F) 11:30-12:20 pm*
OR *BY APPOINTMENT*
OFFICE: *S46A* ; **PHONE:** (408)864-8545

PREREQUISITE: Math 1D or equivalent.

TEXTBOOK: Fund. of Differential Equations with Boundary Value Problems; 6th ed.,Nagle/Saff.
OR Fund. of Differential Equations; 8th ed.,Nagle/Saff.

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

GOAL: To understand and be able to solve problems dealing with the theory and applications of differential equations using various techniques and methods : analytical methods (including Laplace transforms, and series solutions) and numerical methods (including Euler , and Picard's methods).

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/quizzes. No cell phones/laptops or other communication devices allowed during testing. A class/course grade of F will be given for any of the above infractions.

HOMEWORK: Homework will be assigned everyday but not collected.

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, in class, during the quarter. NO MAKE UPS **.**
One-half the final exam grade will be used to replace the lowest test score, if greater, except in the case of cheating.

FINAL EXAM: A two-hour comprehensive final exam will be given on WEDNESDAY, MARCH 25 (*11:30-1:30 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.)
Tests (3) @ 100pts.----------300pts.	B : 80% - 89% (560-629pts.)

Final Exam----------200pts.

TOTAL **700pts.**

C : 60% - 79% (420-559pts.)
D : 50% - 59% (350-419pts.)
F : 0% - 49% (0-349pts.)

IMPORTANT DATES: See Reverse Side.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
Jan	Chap 1 6 **INSTRUCTION BEGINS**	7 Chap 1 (1.1-1.4)	8 Chap 1	9 Chap 2 (2.2-2.6)	10 Chap 2	11	12	1
Jan	13 Chap 2	14 Chap 2	15 Chap 2	16 Chap 3 3.2 [3.3-3.7]	17 Chap 3	18 **Last Day to Add quarter-length classess**	19 **Last Day to Drop** Last day to drop w/refund or credit	2
Jan	20 **M L K Holiday** ***Last day to Drop w no grade or record***	21 Chap 4 (4.1-4.10)	22 Chap 4	23 Chap 4	24 Test 1	25	26	3
Jan / Feb	27 Chap 4	28 Chap 4	29 Chap 4	30 Chap 4	Chap 4 31 Last day to request pass/no pass grade **Feb**	1	2	4
Feb	3 Chap 5 (5.2,5.4) [5.6,5.7]	4 Chap 5	5 Chap 5	6 Chap 5	7 Chap 5	8	9	5
Feb	10 Chap 6 (6.1-6.4)	11 Chap 6	12 Chap 6	13 Chap 6	14 **Lincoln's B-Day Holday**	15 **President's Weekend**	16	6
Feb	17 **Washington's B-da Holiday**	18 Chap 6/7	19 Chap 7	20 Chap 7	21 Test 2	22	23	7
Feb / March	24 Chap 7	25 Chap 7	26 Chap 7	27 Chap 7	28 **Last Day to drop with a W** March	29	1	8
March	2 Chap 7/8	3 Chap 8 (8.1-8.8)	4 Chap 8	5 Chap 8	6 Chap 8	7	8	9
March	9 Chap 8	10 Chap 8	11 Chap 8	12 Chap 8	13 Chap 8	14	15	10
March	16 Chap 9 (9.4-9.8)	17 Chap 9	18 Test 3	19 Chap 9	20 Chap 9	21	22	11
March	23 FINALS	24 FINALS	25 11:30-1:30 p FINALS **(S46)**	26 FINALS	27 **Wnter Qtr. FINALS**	28	29	12
April	30 RECESS	31 RECESS	1 RECESS	2 RECESS	3 RECESS	4	5	0
April	6 **INSTRUCTION BEGINS**	7	8	9	10	11	12	1
April	13	14	15	16	17	18	19	2
April	20	21	22	23	24	26	27	3

Student Learning Outcome(s):

*Construct and evaluate differential equation models to solve application problems.
*Classify, solve and analyze differential equation problems by applying appropriate techniques and theory.