

DE ANZA COLLEGE
MATH 02A.11
ROOM S46; (M-F) 12:30-1:20 pm
SPRING 2018

INSTRUCTOR: E. NJINIBAM
OFFICE HOURS: (M-F) 9:30-10:20 am
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 . 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, 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, JUNE 27 (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.
Final Exam-----200pts.
TOTAL 700pts.

B : 80% - 89% (560-629pts.)
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
APR	9 INSTRUCTION BEGINS	10 Chap 1 (1.1-1.4)	11 Chap 1	12 Chap 2 (2.2-2.6)	13 Chap 2	14	15	1
APR	16 Chap 2	17 Chap 2	18 Chap 2	19 Chap 3 3.2 [3.3-3.7]	20 Chap 3	21 (Last day to add or drop)	22 (Last day to drop with no grade or record)	2
APR	23 Chap 4 (4.1-4.10)	24 Chap 4	25 Chap 4	26 Chap 4	27 Test 1	28	29	3
APR / MAY	30 Chap 4	1 Chap 4	2 Chap 4	3 Chap 4	4 Chap 4 Last day to request Pass/No Pass	5	6	4
MAY	7 Chap 5 (5.2, 5.4) [5.6, 5.7]	8 Chap 5	9 Chap 5	10 Chap 5	11 Chap 5	12	13	5
MAY	14 Chap 6 (6.1-6.4)	15 Chap 6	16 Chap 6	17 Chap 6	18 Chap 6	19	20	6
MAY	21 Chap 7 (7.1-7.9)	22 Chap 7	23 Chap 7	24 Chap 7	25 Test 2	26	27	7
MAY / JUN	28 MEMORIAL DAY HOLIDAY	29 Chap 7	30 Chap 7	31 Chap 7	1 Chap 7 Last day to drop with a "W"	2	3	8
JUN	4 Chap 8 (8.1-8.8)	5 Chap 8	6 Chap 8	7 Chap 8	8 Chap 8	9	10	9
JUN	11 Chap 8	12 Chap 8	13 Chap 8	14 Chap 8	15 Chap 8	16	17	10
JUN	18 Chap 9 (9.4-9.8)	19 Chap 9	20 Test 3	21 Chap 9	22 Chap 9	23	24	11
JUN / JUL	25 No Class	26 No Class	27 11:30-1:30 pm FINALS (S46)	28 No Class	29 No Class	Commencement Ceremony		12
Jun	2 Summer Qtr Starts	3	4	5	6	7	8	1
July	9	10	11	12 Last day to request pass/no pass	13	14	15	2
July	16	17	18	19	20	Summer class: 6-weeks Mon - Thur. College Closed Fri - Sun		3
July	23	24	25	26	27	28	29	4
July/ Aug	30	31	1	2	3	4	5	5
Aug	6	7	8	9 FINALS	10	11	12	6
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	

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.