

Course: Math – D012. –50Z, Calculus for Business Call # 11332-01
 Time: MTWTh, 3:00 to 5:15 p.m. Room – Online synchronous on Zoom.
 Prerequisite: Mathematics 11, Finite Mathematics with C or better grade.
 Texts and (1) Calculus and its Applications. 11th Edition. Authors: Bittinger, Ellenbogen, and Sargent
 Equipment: (2) Graphing Calculator. TI-83 plus/ TI-84 Calculator needed.
 Instructor: H. K. SHAH. Email: shahhemendra@fhda.edu

Attendance: Students are expected to attend all class meetings without tardy. Student with three absences will be dropped from the course. If student decides to drop the course, it is his/her responsibility to drop the course. 20 points are assigned for full attendance. Five points will be deducted for each absence.

Course Outline: I shall cover Chapters 1 to 4, and partially chapter 5. It covers differentiation and its applications; Exponential and logarithmic functions, and their derivatives; Integration and its applications. This is intensive and fast pacing course, needing lot of practice to have clear understanding of the concepts.

Homework: You will do HW of suggested exercises on blank white papers, then upload pages on CANVAS on due date of assigned homework.

Examinations: There will be three midterm tests each of one hour, and three quizzes each of 20-25 minutes. There will be no make-ups for missed tests/final or quizzes. If student missed only one test due to unavoidable circumstance, and I am notified in advance or quickly; the final exam score % will be used to replace score of missed test, given that student passed in final exam (scored at least 85/130). Students who attended all three Tests and passed in final exam (scored at least 85/130), then lowest scored test will be replaced by the % of final exam, provided did better in final. A comprehensive final examination will be of two hours, during 3:00 to 5:00 p.m. on Thursday, August 04, 2022, during Zoom meeting . Students absent in the final exam will get F grade. All exams are closed book/notebook. You can print out formula sheet and use during exams. *Cell phone is not allowed in all exams.*

Disruptive behavior: De Anza College will enforce all policies and procedures set forth in the *Standards of Students Conduct* (refer catalogue). Any student disrupting a class may be asked to leave the class. Further disciplinary action by administration will follow.

Academic Integrity: It is assumed that all students will pursue their studies with integrity and honesty; however, all students should know that incidents of academic dishonesty like cheating and plagiarism are taken very seriously. Students involved in cheating will be dropped and get F for the course. Further disciplinary action by administration will follow.

Grades:

Grade scale	Points range	Percentage range	Examination	points
A+ 4.0	476 to 500	95 + to 100 %	Three Tests	$3 \times 75 = 225$
A 4.0	456 to 475	91 + to 95 %	Three Quizzes	$3 \times 25 = 75$
A_ 3.7	436 to 455	87+ to 91 %	Homework	50
B+ 3.3	416 to 435	83+ to 87 %	Class attendance	20
B 3.0	396 to 415	79+ to 83 %	Final examination	<u>130</u>
B_ 2.7	376 to 395	75+ 79 %	Total points	500
C+ 2.3	351 to 375	70+ 75 %		
C 2.0	326 to 350	65+ to 70 %		
D+ 1.3	306 to 325	61+ to 65 %		
D 1.0	296 to 305	59+ to 61 %		
D_ 0.7	276 to 295	55+ 59 %		
F 0.0	0 to 275	0 to 55 %		

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Text: Calculus and its Applications. 11th Edition. Authors: Bittinger, Ellenbogen and Surgent.

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Week # Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 June	27 1.1, 1.2	28 1.3, 1.4	29 1.5, Quiz-1 HW-2	30 1.6, 1.7	July 1	2	3 HW-1
2 July	4 Holiday.	5 1.7, 1.8	6 HW-3, Review Test - 1	7 2.1, 2.2	8	9	10
3	11 2.3, 2.4	12 2.4, 2.5	13 HW- 4, Quiz-2 2.6	14 2.7, 2.8	15	16	17
4	18 HW-5, Review Test - 2	19 3.1,3.2	20 3.3, 3.4	21 HW-6, Quiz -3 3.5		23	24
5	25 4.1, 4.2	26 4.3, 4.4	27 4.5,4.6, HW-7	28 4.6, 5.1,	29	30	31
6	1 5.2,5.3	2 HW-8,9. Review. Test – 3	3 Whole review	4 Final Examination 3:00 to 5:15 p.m.	5	6	7

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HW	Chapter R,	1.1 to 1.4	1.5 to 1.8	2.1 to 2.5	2.6,2.7,2.8	3.1 to 3.4	4.1 to 4.4	4.5, 4.6.	5.1 to 5.3
Quiz	1.1 to 1.4	2.1 to 2.5	3.1 to 3.4	-----	-----	-----	-----	-----	
Test	chapter 1.	Chapters 2	Chapters 3,4 and 5.1 to 5.3.	-----	-----	-----	-----	-----	

All exams including final exam are show your work type exams, closed book/notebook. No multiple-choice exams.

Student Learning Outcome(s):

*Use correct notation and mathematical precision in the evaluation and interpretation of derivatives and integrals.

*Evaluate, solve, interpret and communicate business and social science applications using appropriate differentiation and integration methodologies.

Office Hours: