

Course: Math – D012. –03, Calculus for Business Call # 13034
 Time: MTWTh, 3:00 to 5:15 p.m. Room – Online
 Prerequisite: Mathematics 11, Finite Mathematics with C or better grade.
 Texts and (1) Calculus and its Applications. 11th Edition. Authors: Bittinger, Ellenbogen, and Surgent
 Equipment: (2) Graphing Calculator. TI-83 plus/ TI-84 Calculator needed.
 Instructor: H. K. SHAH. Email: shahhemendra@fhda.edu
 Office hours: TTh, 5:15 p.m. to 5:45 pm, online zoom by appointment.

Attendance: Students are expected to attend all class meetings without tardy. Student with three absences may 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: I will write list of exercises for practice. Do those exercises seriously, to perform better in the exams. I am not collecting your 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 06, 2020 in our classroom. Students absent in the final exam will get F grade. All students need to save corrected returned papers of quizzes and midterm tests. I may need it in unusual situation. 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	3x80 = 240
A 4.0	456 to 475	91 + to 95 %	Three Quizzes	3x30 = 90
A_ 3.7	436 to 455	87+ to 91 %	Class attendance	20
B+ 3.3	416 to 435	83+ to 87 %	Final examination	150
B 3.0	396 to 415	79+ to 83 %	Total points	500
B_ 2.7	376 to 395	75+ 79 %		
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 %		

**Text: Calculus and its Applications. 11th Edition. Authors: Bittinger, Ellenbogen and Surgent.
 Instructor: H. K. Shah**

Week # Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 June	29 1.1, 1.2	30 1.3, 1.4	July 01 1.5 , Quiz-1	2 1.6, 1.7	3	4
2 July	6 1.7, 1.8	7 HW-3, Review Test - 1	8 2.1, 2.2	9 2.3, 2.4	10	11 .
3	13 2.4, 2.5	14 HW- 4, Quiz-2 2.6	15 2.7, 2.8	6 HW-5 Review, Test - 2	17	18
4	20 3.1,3.2	21 3.3, 3.4	22 HW-6, Quiz -3 3.5	23 4.1, 4.2	24 .	25
5	27 4.3, 4.4	28 4.5,4.6, HW-7	29 4.6, 5.1,	30 5.2,5.3	31	August 1
6	3 HW-8,9, Review. Test -3	4 Whole review	5 Whole review	6 Final Examination 3:00 to 5:00 p.m.	7	8

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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. 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.