

Course: Math – D012. –30, Calculus for Business Call # 11332-01
 Time: MTWTh, 3:00 to 5:15 p.m. Room – DA- MLC 109
 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, Room- DA- MLC 109

All exams including final exam are show your work type exams, closed book/notebook. No multiple-choice exams. All exams are face-to-face in the class room.

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.

Student Learning Outcomes (SLOs): Outcome 1: Use correct notation and mathematical precision in the evaluation and interpretation of derivatives and integrals. Outcome 2: Evaluate, solve, interpret and communicate business and social science applications using appropriate differentiation and integration methodologies.

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 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 10, 2023, during face-to-face 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	3x75 = 225
A 4.0	456 to 475	91 + to 95 %	Three Quizzes	3x25 = 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 %		

Math 12

De Anza College, Cupertino.

Quarter- Summer 2023

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

Week # Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 July	03 1.1, 1.2	4 Holiday	5 1.3, 1.4	6 1.5 , Quiz-1	7	8	9 HW-1 HW-2
2	10 1.6, 1.7	11 1.7, 1.8	12 2.1, 2.2	13 Review Test - 1	14	15	16 HW-3
3	17 2.3, 2.4	18 2.4, 2.5	19 2.6.2.7	20 Quiz-2 2.8	21	22	23 HW- 4
4	24 HW-5, Review Test - 2	25 3.1,3.2	26 3.3, 3.4	27 Quiz -3 3.5	28	29	30 HW-6
5	July 31 4.1, 4.2	August 01 4.3, 4.4	2 4.5,4.6,	3 5.1 to 5.3	4	5	6 HW-7
6 August	7 HW-8,9. Review. Test – 3	8 Whole review	9 Whole review	10 Final Examination 3:00 to 5:15 p.m.	11	12	13

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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.	-----	-----	-----	-----	-----	

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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:

T,TH 05:15 PM 05:45 PM By Appointment MLC 109