Math 12   **De Anza College, Cupertino.**   **Quarter- Spring 2018**

Course: **Math – D012. –29, Calculus for Business**   **Call # 45171-01**
                  Time: TTh, 4:00 p.m. to 6:15 p.m.   **Room – 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.**
Instructor: **H. K. SHAH. Email; shahhemendra@fhda.edu**
Office hours: TTh, 6:20 p.m. to 6:45 pm, room E 37
MyMathLab: ID – **Shah63339**, <u>Course title:</u> **Math 12, Calculus for Business, Spring 2018, SHAH 3, De Anza**

<u>**Attendance:**</u> **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. 15 points are assigned for full attendance. Five points will be deducted for each absence.**

<u>**Course Outline:**</u> **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.**
<u>**Homework:**</u> **Students are doing homework on MyMathLab.com online. Course ID is and Course title are mentioned above. When you buy book from the book store, you will get access code for the course. Follow instructions on MyMathLab.com for registration. Late homework will not be accepted for grading purpose.**
<u>**Examinations:**</u> **There will be three midterm tests each of one hour, and three quizzes each of 20 to 25 minutes. There will be no make-ups for missed tests, quizzes, or final examination. If only one test is missed due to unavoidable circumstance, and the instructor is notified in advance/quickly; the final exam score % will be used to replace missed test. Students appearing for all tests, lowest test score will be replaced by % of final exam score, if scored better in the final exam. A comprehensive final examination of two hours will be given on Thursday, June 28, 2018 during 4:00 to 6:00 p.m. in our classroom. Student staying absent in the final examination will get F for the course. *All students are needed to save corrected returned papers of quizzes and midterm tests. I may need it in certain situation.***
<u>**Evening Office Coordinator:**</u> **Administrative office   Phone: 864-8333**
<u>**Disruptive behavior:**</u> **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.
<u>**Grades:**</u>

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	60
B+ 3.3	416 to 435	83+ to 87 %		Class attendance	10
B 3.0	396 to 415	79+ to 83 %		Final examination	120
B_ 2.7	376 to 395	75+ 79 %		Total points	500
C+ 2.3	351 to 375	70+ 75 %		Extra points for attending Tutoring C.	10
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- Spring 2018**

Course: Math D012.29, Calculus for Business and Social Science   **Call # 45171-1**
Time- TTh, 4:00 p.m. to 6:15 p.m.   **Room- MLC 109**
Text: Calculus and its Applications. 10th Edition. Authors: Bittinger, Ellenbogan and Surgent.
MyMathLab: ID – Shah63339, <u>Course title:</u> Math 12, Calculus for Business, Spring 2018, SHAH 3, De Anza
Instructor: H. K. Shah

Week # Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 April	April 09	10 1.1, 1.2	11	12 1.3, 1.4	13	14
2	16	17 HW- 1 &2 due. 1.5, Quiz-1	18	19 1.6, 1.7	20	21 Last day to add. Drop with no grade record on Apr. 22.
3	23	24 1.7, 1.8	25	26 HW-3, Review Test - 1	27	28
4 May	30	May 1 2.1, 2.2	2	3 2.3, 2.4	4 Pass/no pass grade	5
5	7	8 2.4, 2.5	9	10 HW- 4, Quiz-2 2.6	11	12
6	14	15 2.7, 2.8	16	17 HW-5 Review, Test - 2	18 HW-5	19
7	21	22 3.1,3.2	23	24 3.3, 3.4	25	26
8	28	29 HW-6, Quiz -3 3.5	30	31 4.1, 4.2	June 1 Last day to drop with 'W'	2
9 June	4	5 4.3, 4.4	6	7 HW-7 4.5,4.6	8	9
10	11	12 4.6, 5.1,	13	14 5.2,5.3	15	16
11	18	19 HW-8,9, Review. Test – 3	20	21 Whole review	22	23
12	25	26 Blank Day	27	28 Final Examination 4:00 to 6:00 p.m.	29	30

# →	1	2	3	4	5	6	7	8 and 9
Quiz	1.1 to 1.4	2.1 to 2.5	3.1 to 3.4		----------	----------	---------	---------
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
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.