Calculus for Business and Social Sciences
MATH. 1325. (FLEX Term)
SPRING 2016
03/2/16-05/11/16

Professor: Mr. C. Barron
Email: cbarron@dcccd.edu
Office Phone Number: 214-860-8634
Office Number: W 241
Office Hours: T.B.A.
Meeting Days & Time: N/A
Room Number: N/A
Credit Hours: 3 Semester hours
Division: Science, Technology, Engineering, & Mathematics (STEM)
Office Hours: M-F 8:00 A.M.-5:00 P.M.
Office Phone: 214-860-8760
Office Number: W 147

Course Description: Limits and continuity, derivatives, graphing and optimization, exponential and logarithmic functions, antiderivatives, integration, applications to management, economics, and business. This course is cross-listed as MATH 1425. The student may register for either MATH 1325 or MATH 1425 but may receive credit for only one of the two.

Course Prerequisites: MATH 1324 or MATH 1314.

Course Materials/Supplies Needed
Software: My Math Lab (must match the current edition of our textbook)
YOU CAN BUY THE SOFTWARE AT OUR CAMPUS BOOKSTORE OR ON LINE AT WWW.COURSECOMPASS.COM.
(Optional) Solution Manual (9780321946775)
TI – 83 PLUS OR TI-84 PLUS CALCULATOR REQUIRED

Student Learning Outcomes
After successful completion of this course the student should be able to:
1. Determine the limit of a function
2. Find the derivative using the derivative definition
3. Find the equation of the tangent line to the curve at a point
4. Find the derivative of a function using the appropriate differentiation rule
5. Find and interpret the marginal cost, marginal revenue and marginal profit
6. Find and interpret the marginal average cost, marginal average revenue, and marginal average profit
7. Determine the optimum solution for an application problem
8. Apply The Fundamental Theorem of Calculus to evaluate a definite integral
9. Use integration techniques to evaluate definite integrals

Course Outline
Chapter 4 Matrices
Chapter 7 Permutations and Combinations
Chapter 10 Limits and the Derivative
Chapter 11 Product Rule and Quotient Rule
Chapter 13 Integration

In a FLEX term course there are no deadlines for any assignments as long as all work is completed before the semester ends.

FLEX term courses are intended for those students who can work at a faster pace than the regular “long” semester students. You are expected to cover the same amount of material in less time than the regular “long” semester.

If you feel the pace of the course is too much for you then you should consider taking this course in the regular semester.

Course Sequence: You can work the assignments in any order but I suggest you work the assignments as follows: Do homework #1 first followed by quiz #1. Then do homework #2 followed by quiz #2 and so on until you get to
homework #5 and quiz #5. Then take test #1 because test #1 contains material from the first 5 homework and quizzes. Test 2 contains material from homework 6-10. Test 3 contains material from homework 11-13. Test 4 contains material from homework 14-17. Everyone must take the comprehensive final exam.

Evaluation Procedures: You will have 5 tests (including a comprehensive final exam). You will also have 17 quizzes and 17 homework assignments. Your course grade will be calculated as follows: (test 1 + test 2 + test 3 + test 4 + final exam + homework average + quiz average) divided by 7.

Grading Scale: A 100-90  B 89-80  C 79-70  F Below 70

Note: I often have students who have a 89 average and want to know if I can “give” them one point to make an “A” or students who have a 69 average and want to know if I can “give” them one point so they can pass. Most students do not realize that they are asking for more than 1 point because your course grade is an AVERAGE of ALL of your assignments (tests, quizzes, homework) so what you are really asking me is to add one point to EACH of those assignments. That is a lot of points not just 1 point. So please do not ask me for 1 point if your course average is 89 that stays a “B” and a 79 stays a “C” and so on.

ONCE YOU START A TEST YOU MUST FINISH IT, YOU CANNOT GO BACK LATER TO FINISH IT.

TAKE ADVANTAGE OF ALL THE FEATURES COURSE COMPASS OFFERS YOU. (1) ON SOME (NOT ALL) HOMEWORK PROBLEMS YOU CAN SEE AN EXAMPLE WORKED OUT. (2) YOU CAN CLICK ON “HELP ME SOLVE THIS PROBLEM” IT TAKES YOU STEP BY STEP UNTIL YOU GET TO THE SOLUTION. WE OFFER FREE TUTORING ON OUR CAMPUS BUT THEY WILL ONLY HELP YOU ON HOMEWORK NOT QUIZZES OR TESTS.

DO NOT PRESS THE “SUBMIT” BUTTON UNTIL YOU HAVE FINISHED THE ENTIRE ASSIGNMENT THAT YOU ARE WORKING ON, BECAUSE COURSE COMPASS WILL COUNT ALL THE PROBLEMS YOU DID NOT DO AS WRONG.

ALL GRADES COUNT AND NO GRADE IS DROPPED.
This course is intended for those students that can work with very little supervision from an instructor. You should be familiar how to use a computer and how to enter your answers correctly. For example, you should know how to enter exponents and fractions using your keyboard or the icons on the computer. Follow directions carefully, if the answer is 3 you cannot input x=3 and vice versa.

Please be aware that I did not invent course compass so I do not control how it is set up. For example course compass determines which homework problems have examples and which do not have examples.

I can determine how many chances you have to answer a certain problem. You have 3 chances to enter the correct answer on all homework problems. You have 2 chances to enter the correct answer on all quizzes. You have 1 chance to enter the correct answer on all tests. If you want “unlimited” chances to enter a correct answer you should find a professor who lets you do this.

By the time you take a test you should know what form course compass wants your answer in. For example, sometimes course compass wants your answer in parenthesis and sometime it does not. IF YOU MISS A PROBLEM BECAUSE YOU DID NOT PUT YOUR ANSWER IN PARENTHESIS ON A TEST YOU SHOULD HAVE GONE BACK TO SEE IF YOU PUT YOUR ANSWER IN PARENTHESIS ON THE HOMEWORK AND QUIZZES.

IF YOU TAKE A HOMEWORK OR QUIZ TWICE COURSE COMPASS WILL ALWAYS RECORD YOUR HIGHEST GRADE.

Instructor Attendance Policy:
Students are expected to attend all classes. Students have the responsibility to attend class and to consult with the instructor when an absence occurs. If for some reason you must leave class early, you should inform the instructor prior to the start of class of your reason for leaving early.

Students must begin attendance in all classes of enrollment. No exceptions. Financial Aid will not be granted to students who have been certified as not attending, by the certification date. For this lecture course, your physical participation in class, on or before the certification date will allow you to receive credit for FA purposes. For certification dates, check with the division or FAO for further information. Students,
who are not certified as beginning class, are responsible for any payments due as a result of non-certification, to include the dropping of courses.

Late Work Policy: No late work accepted passed the deadline

Makeup Exam Policy: None

Certification Procedures: (For Online Courses) You will be asked to answer the following question in order to be certified: Is this the first online course you have taken? You must email be your response before the certification deadline in order to be certified. Be sure to email your name as well as the course you are currently enrolled in.

The withdraw date for this class: APRIL 29 (FRIDAY)

Academic Dishonesty:
Students that caught plagiarizing an assignment will be subject to an “F” in the course and possible expulsion from the college.

Academic honesty is expected, and integrity is valued in the Dallas County Community Colleges. Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion. As a college student, you are considered a responsible adult. Your enrollment indicates acceptance of the DCCCD Code of Student Conduct published in the DCCCD Catalog. More information is available at https://www1.dcccd.edu/catalog/ss/code.cfm.

Institution Policies: Please visit http://www.mountainviewcollege.edu/Academics/Documents/Institutional%20Policies.pdf for a complete list of institutional policies (Stop Before You Drop; Withdrawal Policy; Repeating a Course; Financial Aid; Academic Dishonesty; Americans with Disabilities Act Statement; Religious Holidays; and Campus Emergency Operation Plan and Contingency Plan.).

Course Calendar

MARCH 21(MONDAY) - First day of the FLEX term.

MARCH 29-(Tuesday)- DEADLINE TO BE CERTIFIED. IN ORDER TO BE CERTIFIED YOU MUST ANSWER THIS QUESTION “IS THIS YOUR FIRST ON LINE COURSE?”

APRIL 29-(FRIDAY)- DEADLINE TO WITHDRAW FROM THE COURSE.

MAY 11(Wednesday)- Last Day of the FLEX Term semester. You will not be able to access the course after this date.