Instructor Information
Name: Kumars Ranjbaran
DCCCD Email: kranjbaran@dccc.edu
Office Phone: 214 – 860 - 8854
Office Location: W191b
Office Hours: TBA
Division Office and Phone: Science, Technology, Engineering, & Mathematics (STEM)
  Office Hours: M – F 8:00 am – 5:00 pm
  Office Phone: 214-860-8760
  Office Number: W120

Both Mountain View College and your instructor reserve the right to make modifications in content, schedule, and requirements as necessary to promote the best education possible within prevailing conditions affecting this course.

Course Information
Course Title: Calculus for Business and Social Sciences
Course Number: MATH1325
Section Number: 60441
Semester/Year: Spring 2020
Credit Hours: 3 Semester Hours
Class Meeting Time/Location: Online
Certification Date: Friday, April 3rd. Check My Class Roster on eConnect for date.
Please, reply to this email(kranjbaran@dcccd.edu), by the CENSUS DAY, with the following informations:

1. First and last name, as it appear in your admission enrollment papers.
2. An alternate email address, if it is available
3. A phone number, and a time that I can reach you. If you are not in the Central Zone, please indicate your time Zone.

Last Day to Withdraw: Monday, May 4th. Check My Class Roster on eConnect for date.

If you are unable to complete this course, you must officially withdraw by the above date. Withdrawing is a formal procedure which you must initiate; your instructor CANNOT do this for you.

Course Prerequisites
MATH 1324 or MATH 1314.

Course Description
This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences.

Student Learning Outcomes
Upon successful completion of this course, students will:

Upon successful completion of this course, students will be able to:
1. Apply calculus to solve business, economics, and social sciences problems.
2. Apply appropriate differentiation techniques to obtain derivatives of various functions, including logarithmic and exponential functions.
3. Solve application problems involving implicit differentiation and related rates.
4. Solve optimization problems with emphasis on business and social sciences applications.
5. Determine appropriate technique(s) of iteration.
6. Integrate functions using the method of integration by parts or substitution, as appropriate.
7. Solve business, economics, and social sciences applications problems using integration techniques.
Texas Core Objectives

The College defines essential knowledge and skills that students need to develop during their college experience. These general education competencies parallel the Texas Core Objectives for Student Learning. In this course, the activities you engage in will give you the opportunity to practice two or more of the following core competencies:

1. **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
2. **Communication Skills** - to include effective development, interpretation, and expression of ideas through written, oral, and visual communication
3. **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
4. **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
5. **Personal Responsibility** - to include the ability to connect choices, actions, and consequences to ethical decision-making
6. **Social Responsibility** - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

Required Course Materials:

Barnett, Ziegler, Byleen, 13th edition, MML ONLY
(ISBN# 9780321945518)
TI – 83, 84 OR TI-83, 84 PLUS CALCULATOR

OPTIONAL:

Barnett, Ziegler, Byleen, 13th edition, MML ONLY
(ISBN# 9780321945518)

Note: A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Graded Work

The tables below provide a summary of the graded work in this course and an explanation of how your final course grade will be calculated.
<table>
<thead>
<tr>
<th>Points</th>
<th>Percentages</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>90 -100</td>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>80 - 89</td>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>70 - 79</td>
<td>70-79%</td>
<td>C</td>
</tr>
<tr>
<td>60 - 69</td>
<td>60-69%</td>
<td>D</td>
</tr>
<tr>
<td>0 - 59</td>
<td>0-59%</td>
<td>F</td>
</tr>
</tbody>
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Summary of Graded Work

The course grade is determined by the following components:
1. Homework
2. Practice Tests
3. Tests & Final Exam

1. HOMEWORK:
Homework is the most important learning tool in a course. Once you login to MyMathLab.com, you should follow these steps: 1. Click on MATH-1314, on the left hand side. 2. Click on the DO HOMEWORK tab, and you will see the list of your homework assignment with the due date next to each assignment. There is no penalty for making mistake when you are working on your homework problems. As long as you click on the similar exercises tab, and you solve the problem correctly, you will receive the full credit for that problem. You have up 3 chances, to receive the full credit for the problems.

2. PRACTICE TESTS:
Practice Tests are uploaded into MyMathLab. After you have taken and passed the practice test, then you are ready to take a test. There are a total of 4 PRACTICE TESTS, and you are allowed to take each of the practice tests up to 3 times, and your highest score will be recorded.

Your practice Tests are all online, and in order for you to take them you should go to MyMathLab.com, and click on Take a Test tab. Please, use the planner, on the last page of this syllabus to make sure about the due date of these tests. You are able to print your Practice Test, after completing of your first attempt. One of the lowest Practice test grades will be Dropped.

3. TESTS:
There will be 3 major tests, in addition to a comprehensive final exam.
Your Tests are all online, and in order for you to take them you should go to MyMathLab.com, and click on Take a Test tab. Please, use the planner, on the last page of this syllabus to make sure about the due date of these tests.

**YOU MAY TRY EACH ONE OF YOUR TESTS UP TO TWO TIMES.**
One of the lowest Test grade will be dropped.

**THE DUE DATES ARE SET IN STONE, FOR PRACTICE TESTS, AND THE TESTS!!!**

**COMPUTING YOUR GRADE:**
The course grade will be determined as follows:
- Homework: 25%
- Practice Tests: 15%
- Tests: 60%

Course Grade = (H.W. * 0.25) + (Ave. of Practice Tests * 0.15) + (Ave. Tests * 0.60)

**Late Work Policy:**
None

**Makeup Exam Policy:**
None.
Unless in emergency cases, such as Natural disaster, Hospitalization, and etc…
For every one of these cases, a proper documentation is required for granting a Makeup Exam.

**Institutional Policies**
Institutional Policies relating to this course can be accessed using the link below. These policies include information about tutoring, Disabilities Services, class drop and repeat options, Title IX, and more.

[Mountain View Institutional Policies](http://www.mountainviewcollege.edu/syllabipolicies)

**Course Schedule**
The following list of course goals will be addressed in the course. These goals are directly related to the performance objectives.

CHAPTER 10:
Sections: 10.1 – 10.7
Practice Test # 1(The above Sections) is available on Thursday, April 2.
Test # 1(The above Sections) is available on Friday, April 3.
The practice, and Test # 1 are both due on Friday, April 10.

CHAPTER 11:
Sections: 11.1 – 11.6

Practice Test # 2(The above Sections) is available on Monday, April 13.
Test # 2(The above Sections) is available on Tuesday, April 14.
The practice, and Test # 2 are both due on Monday, April 20.

CHAPTERS: 12, and 13
Sections: 12.1, 12.2, 12.4, 12.5, 12.6, 13.1, 13.2, 13.4, and 13.5

Practice Test # 3(The above Sections) is available on Monday, April 27.
Test # 3(The above Sections) is available on Tuesday, April 28.
The practice, and Test # 3 are both due on Monday, May 4.

CHAPTER: 14
Sections: 14.1, and 14.2 are going to be part of your Comprehensive Final Exam.

Practice Final Exam(All the Sections in the course) is available on Thursday, May 7.
Final Exam(All the Sections in the course) is available on Friday, May 8.

All of your homework assignments are due on Wednesday, May 13.
The practice, and the Final Exam. are both due on Wednesday, May 13.