Course: Calculus for Business and Social Sciences I  
Section 3232  
T&Th  7:00-9:30pm  
BUNG 2

Instructor: C. Reyes  
Office Hours: W 8:45-10:00 am at the Math Center or by appointment  
Voicemail: (818) 364-7600 x4236 (repeat your name twice, clearly and slowly)  
Email: reyesch@lamission.edu

Text: College Mathematics for Business, Economics, Life Sciences, and Social Sciences  
Eleventh Edition  
Author: Barnett, Ziegler, and Byleen

Important Dates  
February 18: President’s Day Holiday  
February 19: Last day for a refund  
March 3: Last day to drop without a “W”  
March 24-30: Spring Break  
May 5: Last day to drop with a “W”  
May 26: Memorial Day Holiday  
May 27: Final Exam, Tuesday 8:00-10:00 pm

Course Outline  
Part I of the textbook will be covered which includes Chapters 1 and 2. Part II will be excluded.  
In Part III, Chapters 10 through 15 will be covered excluding some sections. More detailed information will be provided throughout the course.

Course Objectives  
1. Graph polynomial, exponential and logarithmic functions; solve equations containing logarithms and exponents; solve interest rate related problems.  
2. Define the limit and the derivative; evaluate derivatives using the product quotient and chain rules; apply derivatives to marginal analysis in business.  
3. Apply the First and Second Derivative Tests to determine extrema and graphs of functions; solve business optimization problems.  
4. Evaluate the derivatives of exponential and logarithmic functions; find derivatives using implicit differentiation, solve related rates-type problems.  
5. Define and find antiderivatives; evaluate integrals; approximate integrals using numerical techniques.  
6. Calculate areas between curves; evaluate integrals using integration by parts; evaluate integrals using integration tables; solve integration problems relating to business.  
7. Define functions of several variables; calculate partial derivatives; evaluate multiple integrals.
Homework and Exams
Homework will be assigned but it will not be graded. There will be approximately one quiz per week (10 points each) that will be based on the homework problems. There will be five exams (worth 100 points each) in which the lowest test score will be dropped. Therefore, there will be no make-up exams. Regular attendance is important since no make up quizzes will be allowed (the two lowest quiz scores will be excluded). In addition, exams and quizzes will be similar to the problems assigned. Therefore, it is to your benefit to keep up with all homework assigned. The final exam (200 points) will be cumulative covering the material presented throughout the course. Updated grades will be posted after each exam. Students should plan to spend a minimum of three hours of study outside the class for each hour of lecture. It is also important that students read the textbook. The lecture is designed as a supplement to the text and is not an alternative for the textbook. Students are responsible for all the topics covered in the text unless otherwise stated in the class lecture.

Class Expectations
Students are expected to follow the “Standards of Student Conduct” and “Student Academic Integrity Policy Statement” for Mission College. Please arrive on time and be present throughout the entire class. Students are to wait until the break to leave the room to minimize class disruptions. Students must turn off cell phones and any other electronic devises during class time. It is the student’s responsibility to drop the class if he/she no longer decides to attend class. Any student appearing on the grade roster will receive a grade regardless of whether they are attending classes or not.

Grading
Your final grade will be calculated as follows:

\[
\text{Total points received} \quad = \quad \% \text{ grade}
\]

\[
\text{Total points possible (680)}
\]

10% quizzes
60% exams
30% final

The following grading scale will be used:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90-100%</td>
</tr>
<tr>
<td>B</td>
<td>80-89%</td>
</tr>
<tr>
<td>C</td>
<td>70-79%</td>
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<tr>
<td>D</td>
<td>60-69%</td>
</tr>
<tr>
<td>F</td>
<td>0-59%</td>
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