Calculus & Analytic Geometry I — Spring 2016

Course/Section: MATH 2011 – B  
Instructor: Dr. Numfor  
Time & Days: 9:00 – 9:50 am MTWF  
Office: Allgood Hall N320  
Location: Allgood Hall E260  
Email: enumfor@gru.edu  
Office Hours: 10:00 – noon T, 10:00 – noon W or by appointment

Course Description: This course provides an introduction to calculus with emphasis on concepts of limits, continuity and derivatives of functions. Differentiation and integration of algebraic, trigonometric, inverse trigonometric, exponential and logarithmic functions, with applications.

Prerequisite: Math 1113 (Precalculus) with a grade of C or better or placement.


Attendance: Attendance is vital to success in the course and will be taken at every lecture. Students missing more than 10% of the class meetings may be withdrawn from the class by the instructor.

Make-up Policy: Make-up tests will be given only if the student presents verifiable documentation of illness or emergency and only if the student contacts the instructor within 24 hours of missing the test. Failure to present such documentation may result in a grade of 0 for the missed test.

WebAssign: WebAssign offers instant feedback for homework problems, additional practice problems, online tutoring, problem solving videos, and links to pdf pages of the text. The Class Key for WebAssign is grua 4892 1872.

Quizzes: There will be five quizzes. The lowest quiz grade will be dropped.

Tests and Final Exam: There will be three tests and a comprehensive final exam.

Dates:
- The tentative test dates are:
  Test 1: February 5
  Test 2: March 4
  Test 3: April 15
- Final Exam: Monday, May 9, 8:00 – 10:00.

Grades: Grades will be determined using the grading scale below:

<table>
<thead>
<tr>
<th>Item</th>
<th>Percentage</th>
<th>Range</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes &amp; WebAssign</td>
<td>15%</td>
<td>90 – 100</td>
<td>A</td>
</tr>
<tr>
<td>Test 1</td>
<td>20 %</td>
<td>80 – 89</td>
<td>B</td>
</tr>
<tr>
<td>Test 2</td>
<td>20 %</td>
<td>70 – 79</td>
<td>C</td>
</tr>
<tr>
<td>Test 3</td>
<td>20 %</td>
<td>60 – 69</td>
<td>D</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25 %</td>
<td>0 – 59</td>
<td>F</td>
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</tbody>
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Classroom Etiquette: Please be considerate of the instructor and those around you. Come to class on time and stay the entire period or ask to be excused if you need to leave early or arrive late.
Turn off cell phones and beepers during class. Refrain from reading newspapers or working on other coursework during class.

**Withdrawals:** If you decide to drop the course before midterm (March 7), you have to take the responsibility in filling out all forms and collecting necessary signatures.

**Material to be Covered:** Ideally, we will cover:
Chapter 1: Functions and Limits, §1.3 – §1.6;
Chapter 2: Derivatives, §2.1 – §2.8;
Chapter 3: Applications of Differentiation, §3.1 – §3.7;
Chapter 4: Integrals, §4.1 – §4.5;
Chapter 5: Inverse Functions, §5.1 – §5.8.