Instructor: Dr. A. Malki

Contact information:
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- Office hours: MW: 2:00-4:00PM, TTH: 1:00-2:00PM, Room: Bungalow D

Course: Math 265, Calculus with Analytic Geometry I
Class Section: 3293
Time: TTH 7:00-9:30PM
Room: BUNG-6

- Monday, Sept. 1  Labor Day Holiday, college closed
- Tuesday, Sep. 2  classes begin
- Friday, Sep. 12  last day to add classes
- Friday, Sep. 26  last day to drop classes without “W”
- Friday, Nov. 7  last day for section transfers
- Monday, Nov. 10  Veterans Day, college closed
- Friday, Nov. 21  last day to drop with a “W”
- Thursday Nov. 27-30  Thanksgiving Holiday, college closed
- Saturday, Dec. 13  classes end
- Sunday, Dec. 14-20  final exams week
- FINAL EXAM TIME:  Tuesday, Dec. 16, 8:00-10:00PM

Course Description: We will cover the following topics:
- Chapter 1: Pre-calculus review
- Chapter 2: Limits of functions
- Chapter 3: Derivatives
- Chapter 4: Applications of derivatives
- Chapter 5: Integrals
- Chapter 6: Applications of the definite integral
- Chapter 7: Logarithmic and exponential functions
- If time permits, additional topics will be covered

Course Objectives:
- Interpret the mathematical concept of limits
- Demonstrate ability to take limits of functions, including trigonometric functions
- Apply the definition of the derivative to calculate instantaneous rates of change
- Evaluate derivatives using the chain rule and related theorems
- Define and interpret differentials
- Solve related rate problems
- Calculate the extrema, concavity and inflection points of functions, and their find graphs
- Define Riemann sums and anti-derivatives and calculate areas using numerical methods
- Employ the Fundamental Theorem of Calculus
- Calculate areas using integration methods
- Solve problems of solids of revolution and related physical problems
- Differentiate and integrate exponential and logarithmic functions

Class Structure:
Most of the class time will be used for lecturing and answering questions. Some time will also be used for students to work in groups. Students should also expect to be called upon to solve problems on the board. Class environment is to be informal, open and relaxed; hence students are strongly encouraged to participate fully in class and to ask questions.

Exams:
1. There will be six examinations of 100 points each. The lowest grade of these six examinations will be dropped. There will be no make-up examinations, since the missed exam will be the one dropped. Any
other missed examination will receive a grade of 0.

2. A **comprehensive final** examination of 200 points. There are **no make-ups** for the final and all students must take the final exam.

**Exams will be announced in class in advance**

**Homework:**
Homework will be assigned on a regular basis, but will not be collected nor will it be counted in the grades. Questions on the homework will be answered in the class.

**Attendance:**
Students are expected to attend all class meetings. Unexcused absences of four meetings may result in excluding students from class. Students themselves are responsible for dropping a class they no longer attend; failure to do so may result in a grade of F.

**Grades:**
Grades will be based on the total number of points earned for tests and the final:

<table>
<thead>
<tr>
<th>TOTAL POINTS</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>630-700</td>
<td>A</td>
</tr>
<tr>
<td>560-629</td>
<td>B</td>
</tr>
<tr>
<td>490-559</td>
<td>C</td>
</tr>
<tr>
<td>420-489</td>
<td>D</td>
</tr>
<tr>
<td>BELOW 420</td>
<td>F</td>
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**NO "INCOMPLETE" GRADES WILL BE GIVEN**

**NOTE: STUDENTS THEMSELVES ARE RESPONSIBLE FOR DROPPING THE CLASS, ACCORDING TO COLLEGE REGULATIONS.**

**Study Tips:**

**General:**
- Attend all class meetings
- Do not fall behind on your homework or study
- Math is cumulative, what you study now will be needed later
- Avoid anxiety, the best way to do that is by being well-prepared
- Motivate yourself by remembering what a good education means for the future
- Do not rely too much on memorization; concentrate on understanding ideas
- Math is like a foreign language, it must be practiced-- often
- Develop responsibility for your education

**Before the test:**
- Do the Chapter tests in the book
- Do not stay up late the night before the test
- Arrive ahead of time

**During the test:**
- Read the instructions
- Begin with the problems that you know how to do
- Show all your work neatly
- Review your work