TEXT:

PREREQUISITES:
A grade of C or better in Math 116 (College Algebra) & Math 117 (Trigonometry), or equivalent competency.

COURSE DESCRIPTION:
This course begins with a review of algebra, and then the idea of limits and continuity will be introduced. With the knowledge of limits and continuity, the text will develop the concept of the derivative of some algebraic expressions and trigonometric functions and its applications. At the end of Calculus I, the text introduces the antiderivative and the applications of the definite integrals in geometry, science, and engineering.

OBJECTIVES:
In this course the student will be introduced to the concept of limits and continuity, the definition of the derivative and antiderivative, and their applications.

OFFICE HOURS:
M, T, W, Th, F-- 10:00-10:50. Drop in visits are welcomed.

GRADING POLICY:
The following table assigns the student’s grade. There will be 6 exams (each 100 pts.), a comprehensive final exam (200 pts.).

<table>
<thead>
<tr>
<th>Grade</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 ≤ ave</td>
</tr>
<tr>
<td>B</td>
<td>80 ≤ ave &lt; 90</td>
</tr>
<tr>
<td>C</td>
<td>70 ≤ ave &lt; 80</td>
</tr>
<tr>
<td>D</td>
<td>60 ≤ ave &lt; 70</td>
</tr>
<tr>
<td>F</td>
<td>ave &lt; 60</td>
</tr>
</tbody>
</table>

HOW TO STUDY CALCULUS:
- The most effective way of learning the principals of calculus is to solve problems.
- All your work should be done neatly. Being neat generally stimulates clear and orderly thinking, and vice versa.
- It helps to study or do homework assignments with a partner. Remember that teaching others is an excellent way to learn a subject matter.
- It is not wise to spend a lot of time on one question. When you get stuck on a problem or a concept don’t be frustrated; email me (amoshgi@richland.edu).
- If you solve a problem incorrectly do not erase it; instead, explain where you were wrong and have the correct solution next to the wrong one.
- The most effective way to fail calculus is to fall behind; please don’t do that.
**REMARKS:**

a. Students can use a graphing calculator for some sections.
b. The student solutions manual (not required) is available in the bookstore.
c. The successful completion of the course requires doing the exercise at the end of each section.
d. Students with an average of more than 95% at the end of the semester will not have to take the final exam.
e. Students with grade of an F on the first exam should make an appointment with me.
f. Students who receive an F on the first and second exam with an irregular attendance will be dropped administratively.
g. Attendance will be checked.
h. I would like for you to have a binding notebook.
i. No make-up quizzes.
j. The final exam test score will be used to replace a missing test.
k. I will not accept sloppy work. Everything must be done neatly. Neatness will be rewarded.
l. None of the exams will be dropped.
m. Students are fully responsible for knowledge of and compliance with all announcements made in class, whether present or not.
n. Attendance is very important. For every four hour class sessions missed the grade will be lowered one letter grade. Being late twice is equivalent to being absent for one period.
o. I appreciate any comments or reasonable suggestions throughout the semester.

**NOTE:**

After every exam students have at most a week to discuss the exam’s grade, look at, or copy the key. *I will not provide the key or discuss an exam’s grade a week after an exam is taken.*

**TENTATIVE SCHEDULE:**

I will cover about one section per day. A period before the test is used to review. The following table is the tentative schedule for the exams.

<table>
<thead>
<tr>
<th>Chapter Number</th>
<th># of Sections</th>
<th># of Days</th>
<th>Date of Exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7</td>
<td>10</td>
<td>9/1</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
<td>9</td>
<td>9/15</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
<td>13</td>
<td>10/4</td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>12</td>
<td>10/24</td>
</tr>
<tr>
<td>5</td>
<td>8</td>
<td>14</td>
<td>11/14</td>
</tr>
<tr>
<td>6</td>
<td>8</td>
<td>11</td>
<td>12/1</td>
</tr>
</tbody>
</table>

Final exam will be announced.

*Good Luck. Wish you a fruitful semester.*