Welcome to the new school year! This promises to be a busy, challenging, and exciting year for us as we delve into the world of calculus. It is my utmost desire for students, faculty, and parents to have a most rewarding year. In order to achieve this goal, it is important that certain rules be observed. Thus, in this form the discipline and behavior guidelines used in my classroom are stated.

Course Description:

Calculus AB is an introduction to the tools, methods, and applications of single-variable differential and integral calculus. Examples of topics include functions, limits, rate of change, tangents, derivatives, rules of differentiation, and related applications. An understanding of function-based algebra and basic trigonometric functions is a prerequisite for the course.

This class aims to satisfy the following outcomes in the area of Mathematics:

· The student will demonstrate proficiency in the use of mathematics to structure their understanding of and investigate questions in the world around them.
· The student will demonstrate proficiency in treating mathematical content at an appropriate level.
· The student will demonstrate competence in the use of numerical, graphical, and algebraic representations.
· The student will demonstrate the ability to interpret data, analyze graphical information, and communicate solutions in written and oral form.
· The student will demonstrate proficiency in the use of mathematics to formulate and solve problems.
· The student will demonstrate proficiency in using technology such as hand-held calculators and computers to support their use of mathematics.

Grading:

The course grade will be based on the following:

<table>
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<tr>
<th>Performance:</th>
<th>20%</th>
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<tbody>
<tr>
<td>(Homework/Classwork/Participation)</td>
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<tr>
<td>Tests/Quizzes/POW:</td>
<td>80%</td>
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The following percentage scale will be used in determining grades.

- 90% - 100%  A
- 80% - 89%   B
- 70% - 79%   C
- 60% - 69%   D
- 0% - 59%    F

Daily Required Materials:

- Text Book: *Calculus: Graphical, Numerical, Algebraic*; Finney, Demana, Waits and Kennedy; Pearson: 2010
- A spiral notebook for MATH only
- A graphing calculator (TI-nspire/TI-83,84 is required)
- Writing Utensils: Pencils for work and Red pens for correction

Expectations:

- Students are expected to attend class every day.
- Students are expected to complete all assignments on time.
- Students are expected to be seated and prepared for learning when the bell rings.
- Students are expected to treat their classmates with respect.
- Students are expected to actively and positively participate in class.

Homework/Classwork:

- Will be checked and/or collected at the beginning of the class on the day that it is due
- Will be graded with 5-point scale (refer to the 5-point rubric handout)
- No LATE work will be accepted after the chapter test. This policy does not apply to excused absences
- A complete work out solution for each problem is required to receive full credit on assignments unless otherwise specified

Problems of the Week (POW):

These will be assigned every Friday and will be due the following Friday. The POWs are a very important component of the class. They will emphasize and review key concepts. Many of them will be questions from previous AP Calculus exams.
Participation:

Each class day a student can earn up to 5 points for participation. The daily participation grade will be based upon punctuality, class/group contribution, preparation and completion of assignments, board work, and general behavior. Each member of the class can either contribute to or detract from the whole class's success. The participation grade is designed to measure this contribution. Homework is assigned for the student -- not for the teacher. All students must put their best effort forth. At random students will be asked to explain problems to the entire class.

Tests:

Tests will be given following each chapter. If you have a conflict that does not allow you to be present on test day make arrangements with me before the exam so an alternate date can be set. Tests missed for excused absences may be made up. Unexcused absences during tests will earn a score of 0% (zero!!!!!). Since the AP exam is in early May there will be two final exams. One will be the first semester final. The second will be the AP course final (the entire book), which will be taken just before the AP exam, and will be cumulative from the beginning of the year.

Quizzes:

Announced, unannounced, and take-home quizzes will be given periodically. There will be no make-ups for quizzes instead your chapter test grade will replace the missing quiz grade.

Absences:

You are expected to make up notes and assignments upon returning from absence(s). Credits will only be given to excused absence work. An extra day for each day absent is allowed to make up the work.

Academic Dishonesty:

Academic dishonesty is considered a serious offense in my class. Students caught cheating will face serious consequences according to the school rule. I encourage collaboration on all assignments but I expect the work you hand in to be your own.

Calculators:

Graphing calculators are allowed on the AP Calculus exam and will be used extensively in this class. I will have some TI-nspire available for use during class, but these devices will not be available to take home. Therefore, it is strongly suggested that you obtain your own graphing calculator.

Finally, take a moment to think about your integrity regarding calculator use. Many of your classmates have been quite creative in using their calculators to cheat on exams. Storing information in a calculator's memory with the intent of using it on an exam (either mine or the AP exam) is cheating. Please make up your mind right now about how you plan to deal with this important life issue. In every cheating incident I have dealt with, there is a student who gets drawn in without considering the consequences. You are the only person who can preserve your integrity!

<table>
<thead>
<tr>
<th>2015 Exam Calendar - Week 1</th>
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<tbody>
<tr>
<td><strong>Morning - 8 a.m.</strong></td>
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<tr>
<td><strong>Tuesday, May 5</strong></td>
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