Advanced Placement Calculus AB
2019-2020
Mrs. Giocondi

Course Description: Our Advanced Calculus AB course is designed to cover material that is equivalent to a college level Calculus I course. We will study three main themes: *limits, derivatives, and integration*. It is essential that students enter the course with a strong comprehension of topics covered in their previous courses. Most importantly, students must have a strong desire to understand the *how* and *why* behind the mathematics.

Philosophy: All concepts and problems in this course will be approached numerically, algebraically, graphically, and verbally. This course is designed to teach you to think mathematically and develop strategies to solve problems with little assistance from the teacher. Your skills will be developed through classroom discussion, small group collaboration, and labs.

AP Test Details:

The AP test will be given on **Tuesday, May 5, 2020**. You MUST take the AP test in order to get AP credit second semester.

The AP test consists of 2 parts:

Section I -- Multiple Choice (105 minutes)
- 30 questions, 60 minutes, no calculator allowed
- 15 questions, 45 minutes, calculator required

Section II -- Free Response (90 Minutes)
- 4 questions, 60 minutes, no calculator allowed
- 2 questions, 30 minutes, calculator required

*work must be shown, even when a calculator is used

The memory on your calculator is <u>not</u> cleared for the test. You may program formulas into your calculator. There is no formula sheet given during the exam.

A 3, 4 or 5 on the AP exam constitutes a passing score.

More information can be found at:
http://www.collegeboard.com/student/testing/ap/about.html

Required Materials:
- 3-ring Binder
- Loose Leaf Paper
- **notecards**
- TI-84 Calculator Required

Grading:	(Approximate point values)
Tests	100 points
Quizzes	15-30 points
Free-response quiz	9 points per question
Labs	20-30 points
Projects	50-100 points
Practice Packet/Worksheets	15-30 points
Free-response questions	9 points per question
Homework check	10 points

*****Practice AP questions and tests will be timed, graded, and scaled similarly to the actual AP test questions. The practice AP tests that will be taken will count as test grades.***

*****There will be a cumulative test at the end of the first semester that all students will take on exam days that will count 25% of your final grade, <u>unless</u> you qualify for the new exam exemption rules.***

Exam Exemption criteria:

The student must have a cumulative average of 90 or above the week prior to the exam and have no more than 2 unexcused absences in the class.

Or

The student must have a cumulative average of 80 or above the week prior to the exam and no more than 1 unexcused absence in the class**.**

Homework Policy:

Homework will be assigned daily, and will be collected at the teacher's discretion. Any homework collected will be graded for completion and/or accuracy. You should expect to spend a minimum of 1-2 hours per night on this course, probably more in the beginning as you spend time reviewing your previous math courses. **ALL** previous math courses will be utilized in Calculus.

Calculator Policy:

Students will be expected to complete problems both by hand and by calculator. Most tests will have a calculator section and a non-calculator section.

Extra Help:

I will be available for extra help on Wednesday mornings from 7:20-7:50am.

Parents: If you have any concerns or questions, please e-mail me at carol.giocondi@ucps.k12.nc.us. Class information will be also located on my class Canvas page.