

**Course Syllabus**  
North Atlanta High School  
AP Calculus BC  
2017/2018 School Year

## I. TEACHER INFORMATION

Teacher: Mr. Ehrman

E-mail: [dpehrman@atlanta.k12.ga.us](mailto:dpehrman@atlanta.k12.ga.us)

Web Page: <http://ehrman.weebly.com>

Room: 8117

Phone: 404-802-4700

Tutorial Day: Monday 3:45 – 4:45

**Prerequisites:** Successful completion of Calculus or AP Calculus AB with a 90% or above.

## II. COURSE DESCRIPTION AND OBJECTIVES

This course will follow the College Board Advanced Placement Curriculum for Calculus BC. The purpose of the course is twofold. First, the student will master selected concepts and methods from calculus; the scope will be approximately equivalent to a one-semester college course in calculus. Second, the student will prepare themselves to pass the AP Calculus BC exam. As a result, the course will seek to balance conceptual understanding, computational skills, and the utilization of technology.

## III. MATERIALS

Students are required to bring the following to every class:

1. 3 ring binder (at least 1 ½ inch)
2. Loose-leaf paper
3. Spiral Notebook (suggested)
4. Sharpened Pencils
5. Graphing Calculator (TI-84 recommended or TI-Nspire CX)

## IV. COURSE CONTENT STANDARDS

A list of content standards, based on the College Board course description and developed by the teacher, will be used to guide instruction and assessment in the course. The course will also follow the Georgia Program Standards for Gifted and High Ability Learners as outlined by the GA DOE Board Rule 160-4-2-.38 and listed below.

- **Advanced Communication Skills:** Learners will engage in diverse and authentic learning experiences which will allow them to develop and apply innovative oral, written, visual, and nonverbal communication skills across disciplines.
- **Advanced Research Skills:** Learners will gather, decipher, and determine credibility of information from a variety of sources and integrate information through analysis of content.
- **Creative Thinking & Problem Solving:** Learners will insightfully evaluate a variety of problems and arrive at innovative conclusions.
- **Higher Order & Critical Thinking Skills:** Learners will analytically critique a system or set of complex ideas, utilizing logic and reasoning skills in novel ways, to create and/or modify knowledge.

## V. GRADING POLICY

### A. Weights:

<u>Summative Assessments</u>	45%
Common Assessments, Unit Tests, Midterm Exam, Major Assignments, Projects	
<u>Formative Assessments</u>	45%
Homework checks, classwork, quizzes, minor assignments	
<u>Final</u>	10%
Final Exam	

### B. APS Grading Scale:

A	90-100	B	80-89	C	70-79	F	0-69
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### C. Homework

- Students will be assigned HW daily and solutions to this HW will be provided for students to check their progress and success. It is expected that students complete this daily HW as problems on quizzes and tests mirror HW and notes.
- HW checks will occur regularly throughout the semester.

## VI. CLASSROOM POLICIES

### A. Classroom Expectations:

1. **Be Prepared and on Time.** Be in your seat with all your supplies ready to learn when the bell rings.
2. **Participate.** Participate in all classroom activities and discussions.
3. **Complete all assignments.** You won't be able to keep up with the pace of the course if you don't!
4. **Maintain an organized math notebook.** Take daily notes in your spiral notebook or organized looseleaf paper.
5. **Take Pride in Your Work.** Be proud of what you accomplish, work hard, and do your best work - all with a positive attitude. Also – always exercise academic honesty and DO YOUR OWN WORK!
6. **Challenge Yourself.** Don't give up when the work is difficult. Willingly attempt to understand and solve all problems.
7. **Be a Team Player.** Work together towards success for every member of our class. Please offer assistance to those who need it and do not be afraid to ask for help.
8. **Be Kind and Courteous.** Negative comments, put-downs, and talking while someone is speaking will not be tolerated. Demonstrate respect for yourself and others.
9. **Make sure all electronic devices are turned OFF.** This includes cell phones, ipods, MP3 players, cameras, etc.
10. **Leave all food and drinks outside the classroom.** Only water in a clear container will be allowed in the classroom.
11. **Abide by all the policies outlined in the North Atlanta Student Handbook.**

### B. Notebook

You are encouraged to keep an organized 3 ring binder for this class. It should be divided into sections by units. A spiral notebook can come in handy to take notes that don't fit within the confines of any guided notesheets that I give you.

### C. Attendance/Absences

- \* You are responsible for reading and following the school's attendance policy as stated in the student handbook.
- \* **For one-day absences:** on the day you return you should:
  1. Find out what you missed from your classmates and check with me for any missed sheets (or print from website).
  2. Copy any missed notes from a classmate.
  3. Complete any missed assignments by the next class period along with the current assignment.
  4. Take any test given on the day you were absent.
- \* For any lengthy or known absence, see me to decide on a make-up schedule. All work, including tests and quizzes MUST be made up within two days upon return.
- \* **Unexcused absences** will result in an immediate disciplinary action.
- \* **Field Trips:** For any school field trip, college visit, special assembly, or anything that voluntarily take you out of my class, come clear it with me BEFORE the absence. This merely ensures that you minimize the impact the trip has on your success in my class.

### D. Late Work Policy

- **Late Work** –I do not accept late work.

To the Parents/Guardians of my most promising student: First, let me say that I am looking forward to this school year and the mathematics your child and I will be exploring together. To get the school year off to a good start, there are a few things I need you to do for your son or daughter:

- Read over the syllabus with your child and sign below to show you have done so.
- Please stress the importance of homework and set up a system for doing homework at home nightly.
- Provide a TI-84 or TI-Nspire CAS graphing calculator for your son/daughter. The calculator will be used daily in class, will be vital for homework completion, and is required on the AP exam.

Parent-Student-Teacher Contract

I, \_\_\_\_\_, have read and understand the course syllabus for AP Calculus.  
PRINT STUDENT'S NAME

I commit to

1. Fulfill the requirements of the course as outlined in the syllabus,
2. Diligently prepare for the AP exam throughout the year,
3. Commit to taking the AP exam in May,
4. Maintain an unweighted\* grade of at least "C," and
5. Maintain a high level of academic integrity.

I understand that if I fail to fulfill any of these commitments, I may be dropped from the course and the AP course will not appear on my transcript. Furthermore, I understand that I must earn an unweighted\* grade of 71 or higher in the first semester to be allowed to continue into the second semester of the course.

\*Unweighted grade refers to your grade before the 10 AP bonus points are added.

\_\_\_\_\_  
STUDENT'S SIGNATURE

\_\_\_\_\_  
Date

I, the **parent/guardian**, have read the course syllabus for AP Calculus, discussed its contents with my son/daughter, and submitted accurate contact information.

\_\_\_\_\_  
PARENT'S SIGNATURE

\_\_\_\_\_  
Date

I, David Ehrman, pledge to uphold my responsibility as a teacher by providing a rich learning environment for all my students. I pledge to follow all the guidelines and policies set forth by this syllabus, by North Atlanta High School, and by the APS Board of Education.

\_\_\_\_\_  
TEACHER'S SIGNATURE

\_\_\_\_\_  
Date