

Buford High School

COURSE SYLLABUS

COURSE TITLE.....AP Calculus AB

TERM2017-2018

TEACHERLynn Shumock

ROOM #.....211

Email Address	lynn.shumock@bufordcityschools.org
Course Web Page	bhsapcalculus.weebly.com
Teacher Support (Help sessions etc.)	Help sessions are available after school until 4pm on Mondays and Wednesdays and before school at 7 am on Tuesdays and Thursdays in Room 211. Additional help sessions will be posted later in the year.

COURSE DESCRIPTION

Topics include limits, derivatives and integrals of algebraic and transcendental functions, continuity, applications of derivatives to related rates, maxima and minima, curve sketching, integration formulas, applications of the definite integral, and methods of integration. The objectives of this course follow the College Board syllabus, preparing students for the Advanced Placement exam.

COURSE CURRICULUM CONTENT

STANDARDS	UNITS/TOPICS
The strands for this course can be found on https://apstudent.collegeboard.org/apcourse/ap-calculus-ab/course-details	<ol style="list-style-type: none"> 1. Limits and Continuity 2. Derivatives 3. Applications of Derivatives 4. The Definite Integral 5. Differential Equations & Modeling 6. Applications of Definite Integral

INSTRUCTIONAL MATERIALS AND SUPPLIES

Published Materials	Instructional Supplies
<u>Calculus – Graphical, Numerical, Algebraic</u> , 3 rd ed. Finney, Demana, Waits, Kennedy <u>5 Steps to a 5</u> , William Ma <u>The Problem Book</u> , Chuck Garner	<ol style="list-style-type: none"> 1) Pencil and Pens (colored ink) 2) Paper 3) Highlighter 4) Math dedicated 3-ring Binder with Dividers 5) Calculator – TI84 **Graphing calculators may be used, however, will NOT be permitted on certain assessments selected by instructor**

EVALUATION AND GRADING

Assignments	Grade Weights	Grading Scale
Benchmark Assessments Unit Tests Performance Essay Homework Class Work Quizzes	Benchmarks (30%) Unit Tests (50%) Performance Essay (10%) Daily/Homework/Quizzes (10%) NOTE: Assignments may be turned in one day after the announced due date but are worth only 70% of the grade earned.	A: 90 and above B: 80 - 89 C: 70 - 79 F: 69 or below

*****PLEASE NOTE THE DETAILED BREAKDOWN OF GRADES ON THE BACK*****

Honor Code Policy:

All BHS students will strictly adhere to the BHS Honor Code which is posted on the BHS website.

For any violation of the BHS Honor Code, students will receive a 0 and be referred to the administration.

The syllabus may be updated as needed throughout the semester.

FINAL GRADE CALCULATION:

Benchmarks (30%)	Tests (50%)	Daily (10%)	Performance Essay (10%)
Benchmark 1 – 100 points Benchmark 2 – 200 points FINAL EXAM – 600 points **Final Exam can replace a Benchmark grade. Student must PASS the Final Exam in order to replace a grade	Tests will be given approximately every 2 weeks. Students will be notified at least one week in advance as to the date of a test.	Daily grades will be based on homework assignments, class work, but primarily through the administering of quizzes throughout a given week.	The Performance Essay is a detailed writing assignment requiring students to recall content knowledge in essay form.

IMPORTANT DATES:

<u>Fall Semester</u>	<u>Spring Semester</u>
Benchmark #1 – September 14 th Benchmark #2 – October 27 th Performance Essay – November 6 th	Benchmark #1 – February 12 th Benchmark #2 – April 17 th Performance Essay – March 26 th

Attendance Excused Absence Policy:

Students who are granted **Excused Absent** status for days missed will be subject to the following:

- **All pre-assigned work will be due on the day of a student’s return from an absence.**
- For assignments which did not have a pre-assigned due date during the time of the student’s absence, students will be given five days to arrange for makeup work or follow other arrangements granted by the teacher. All incomplete work carried over into a new marking period should be completed no later than the tenth day of the following period.
- **Missed tests must be made up within 5 days.**

Expectations for Academic Success

Maintain a math notebook.

Review your notes daily.

Daily work is essential to success in math.

Ask questions.

Participate constructively as a team member.

Complete all work on time – trying every problem.

Challenge yourself to continuously improve.

Bring your textbook, notebook, pencils, calculator to class every day.

*A limited number of TI-84 calculators will be assigned for long-term loan to students who are unable to obtain their own.

<u>ALL POLICIES OUTLINED IN THE BCSS STUDENT CODE OF CONDUCT AND THE BHS STUDENT HANDBOOK WILL BE FOLLOWED IN THIS CLASSROOM.</u>
--

The syllabus for AP Calculus is on my website: bhsapcalculus.weebly.com
I have read and I understand the syllabus for AP Calculus.

STUDENT Section

Student's name: _____
(Please print)

Student's signature: _____

Student's email: _____
(Please print)

PARENT Section

Parent's name: _____
(Please print)

Parent's e-mail: _____
(Please print)

Parent's phone number: _____

Parent's signature: _____