

AP Calculus BC
Perry High School
Course Syllabus 2019-2020
Course and Instructor Information

<i>Instructor</i>	Thomas Rothery	<i>Office Hours</i>	Before School or After School
Phone Number	480.224.2906	E-mail Address	rothery.thomas@cusd80.com

COURSE DESCRIPTION: AP Calculus AB/BC is a mathematics course designed for students of high math ability who have completed Honors Brief Calculus or AP Calculus AB. New topics covered will include: Limits and Continuity, Differentiation and Applications, Integration and Applications, Integration Techniques, and First-Order Differential Equations, Polynomial Approximations and Series including: Geometric Series, Harmonic Series, tests for Convergences and Diverges, Taylor Series, and Maclaurin Series. Students are expected to take the AP Calculus BC Exam on Tuesday, May 5, 2020.

TEXT: *Calculus:* Early Transcendental Functions, 6th Ed., Larson and Edwards, Cengage Learning, 2015.

GENERAL COURSE REQUIREMENTS: Your grade in this course will be derived from the following:

1. **Tests:** Tests will be given at the end of each chapter or unit. Make-ups for absentees will be given during non-class hours and within a number of days' instruction missed. Tests are worth 100 points each.
2. **Quizzes:** Quizzes will be given with regularity. Make-up quizzes will be given in the same manners as tests. Quizzes are worth 50 points each.
3. **Homework:** Homework will be assigned 4-5 times weekly and will be checked at the beginning of the class period. Homework should be kept separate from notes. Daily homework scores are worth 5 points each. Homework must be completed on loose-leaf paper and must be done in pencil.
4. **Materials and Tardies:** Each student will begin the semester with 50 points. For each day that the student is tardy, has an unexcused absence, or forgets his/her materials, 2 points will be deducted from the original 50 points. At the end of the semester, a score out of 50 points will be averaged into the student's grade.
5. **Projects:** Projects will be given throughout the year and are worth 250 points.
6. **Quarter Grades:** The quarter grade will be based on the percent determined by the number of points earned divided by the number of points possible.

Grading Scale:	90-100%	A
	80-89%	B
	70-79%	C
	60-69%	D
	0-59%	F
7. **Semester Grade:** While quarter grades are given, grades are progressive throughout the duration of the semester. Semester grades are determined by the approximate breakdown (Homework-8%, Quizzes, Tests, and Projects 72%, and the Semester Exam-20%).
8. **Extra Credit:** Students receive 1 point extra credit each time they go to the board and correctly explain a problem to the class.

CLASSROOM STANDARDS: There are several rules and regulations that hold for every class member.

1. **Participation:** You are expected to participate actively in all class work and review assignments. This will include answering questions and putting problems on the board.
2. **Tardiness:** Tardiness will not be tolerated under any circumstances. See school policy.
3. **Behavior:** There is no place and no time for immature behavior in this class. Students who deprive others of the right to learn will be dismissed.
4. **Dismissal:** **ALL STUDENTS** are to remain in their seats until dismissed.

MATERIALS: You are to be equipped with the following materials at each meeting of class:

1. **Pencil:** All homework, tests, and quizzes **MUST** be done **NEATLY** in **PENCIL**.
2. **Notebook:** All students are required to keep a loose-leaf binder for notes and homework.
3. **Textbook:** You are required to have your book at all times.
4. **Calculator:** Much of the work in this course can be greatly simplified with the access of a TI-83 or TI-84 calculator. Thus, it is in your best interest to own a calculator for use at home and school.

MISCELLANEOUS:

1. **Failure Notices:** Failure notices are to be sent home at the end of each four weeks.
2. **Cheating:** Cheating is defined as:
 - A. On tests/quizzes
 1. viewing another student's work
 2. talking during a test period
 3. helping another student on an evaluation
 4. using unauthorized reference materials
 5. using unauthorized materials on a graphing calculator
 6. having a cell phone out during an assessment
 - B. On homework
 1. copying another student's work
 2. turning in another student's work
 3. giving your paper to another student
 - C. On group work
 1. not contributing to the group's effort
 2. using the work of another group
 3. giving another group your group's work

STUDENTS CAUGHT CHEATING WILL NOT BE GIVEN ANY CREDIT ON THE PARTICULAR ACTIVITY IN QUESTION.
3. **Tests/Quizzes:** The instructor will keep all tests and quizzes.
4. **Conference** Before school or after school.
Hours:

Finally, let me advise you that this course can be of enormous benefit to you if you follow my directions and keep up with the work. If you fall behind, the course will overwhelm you. Make your resolutions now to meet the performance of the class; the reward will come later.

<https://www.cusd80.com/site/default.aspx?PageID=71235>

AP Calculus BC ACKNOWLEDGEMENT

I UNDERSTAND THE ABOVE RULES AND REGULATIONS.

STUDENT NAME _____

STUDENT SIGNATURE _____ DATE _____

PARENT/GUARDIAN NAME _____ DATE _____

PARENT/GUARDIAN SIGNATURE _____

PARENT/GUARDIAN CONTACT INFO:

Home Phone Number: _____

E-mail: _____

Cell: _____

* If you plan to register for the AP Calculus BC exam on May 5, 2020, you must do so by October, 24, 2019.

* This course is offered for dual-enrollment community college credit through CGCC as well as AP credit. More information to come!