AP Calculus BC   Contact Information
2016 – 2017   **Teacher email**: aparr@mckinneyisd.net
Teacher: Mr. Parr   **Website:** www.mrparrbccalculus.weebly.com

Course Information

AP Calculus is a college-level course designed for the **serious** math student who is interested in learning and applying mathematics both now and in the future. Students taking this course must be dedicated to hard work and should be independent problem-solvers. The contents of this course fall under two general headings: differential calculus and integral calculus. The focus of our study will be preparation for the Advanced Placement exam and learning the material at a level at which students can earn college credit by virtue of passing the exam.

There are two levels of AP Calculus, designated as AB and BC. BC Calculus includes all of the topics covered in AB Calculus plus three additional units of study. For this reason, the pace of the BC Calculus course is faster than that of the AB Calculus course.

The current curriculum allows for those students in AP Calculus AB to complete their study of the required topics and use the remainder of available time in intense review for the AP exam. Students in AP Calculus BC will need to complete the same amount of material by late January or early February in order to have the time needed to cover the additional topics. Exams for both AB and BC Calculus will be given on **Tuesday, May 9, 2017**.

Expectations

Each student is responsible for his/her own success in this course. Students should plan to spend every class period working toward understanding and applying the new knowledge that is gained. Students should also expect to spend approximately 30-45 minutes EVERY night outside of the classroom studying, working problems, **memorizing formulas** and thinking about processes and problems. Finally, the student is responsible for doing additional work outside of the classroom to reinforce concepts that are misunderstood (see below). The instructor will be responsible for presenting and explaining new material, giving examples to demonstrate both the techniques involved and how to apply the information in problem situations.

Grading Procedures

All work is graded on a point system. Daily work will include a few homework problems and AP problem sets that accompany many of the units of study. Quarter averages are calculated using the following percentages: tests (70%); quizzes and daily work (30%).

Homework Grades: Homework assignments will be graded according to the following 5 criteria. Is it neat? Is it on time? Is most of it correct? Did you attempt every problem? Did you **show your work**? The answers to most homework problems are in the back of the book and solutions worked out in the solutions manual located in the classroom -- students are expected to check them. Therefore, it is expected that students complete every assigned problem and get most of them correct. This assures that doing the homework will help the student perform well on quizzes and tests.

Exam Grades: I subscribe to the LEARN and EARN policy. If you are willing to learn, you can earn a solid grade in this course. The ultimate goal of this class is for you to learn the material necessary to score a 5 on the AP exam. If you do poorly on the exam you WILL have opportunities to do extra practice in that area and demonstrate mastery of the material so that you will not be deficient in your learning on that particular skill thus adequately preparing you for the AP exam.

Materials

Every time you come to class, you must bring your **BC Calculus 3-ring binder** containing all notes and homework assignments. Bring a **pencil**. You will occasionally need to bring your textbook. A graphing calculator is required for homework – classroom graphing calculators will be used during class time at school (TI-Nspire). If you do not own a calculator, you may check out a TI-84 in the library. If you can purchase a TI-Nspire please do so. You can also check out a CD version of the textbook from the library.

Other Issues

- Never be afraid to ask a question!
- Attend tutoring whenever necessary – don't wait until the day before, or day of, a quiz/test.
- Cell phones and i-pods will be confiscated and turned in to office if they are being used without permission - $15 fine will apply for student to retrieve.
- Restrooms should be used during the 6-minute passing period. Exits to restroom during class will only be allowed in emergencies.
- Respect others… students, teachers, administrators, etc.
- Respect school and teacher property. Personal garbage must be thrown away into garbage can – not on the floor.

Calculus Tutoring:

7:00-7:20 am
By appointment only – if I'm here, you're always welcome to come in for tutoring.

2:30-3:15 pm
Mon, Tues, & Thu