



AP Calculus AB  
Mrs. Barsema  
COURSE SYLLABUS

## COURSE OVERVIEW & INSTRUCTIONAL GOALS

This course is designed to help equip students with the skills necessary to learn and understand calculus concepts and to take the AP Calculus AB Exam.

At the end of this course, you will be able to:

- Understand math concepts related to calculus
- Learn test taking strategies
- Take the AP Calculus AB Exam. All students are required to take the AP test as per school policy.

## NEEDS AND RESOURCES

Prerequisite courses, knowledge, and skills:

To successfully complete this course, you must

- Meet prerequisite of an A in both semesters in Honors Alg2 or C or better in Precalculus
- Listen, take notes, do classwork, and do homework
- Be able to extrapolate information from a textbook, workbook, online resources and teacher

Required Materials

To successfully complete this course, you will need

- Calculus textbook
- Binder/notebook/folder
- Paper
- Pencils

Print Resources and Online Resources

- Calculus by Finney
- College Board

## COURSE SCHEDULE

Semester A:  
Chapters 1-4

Semester B:  
Chapters 5-7  
AP review  
AP Exam

## POLICIES AND PROCEDURES

### Classroom Rules & Procedures:

#### *Classroom and General Rules:*

At all times students must act in accordance with Fountain Hills Unified School District and Fountain Hills High School policy (see student handbook) It is the expectation of the district, school and teacher that all students will have a successful school year. To accomplish this goal the following expectations should be met: Be Considerate and respectful at all times. No cell phones or any other media device is on when class starts(unless it is related to lesson). No food or drink (water is okay). Be seated while final bell rings so you can complete bell work. Complete and hand in assignments by due date. It is the student's responsibility to obtain missing work when you are absent. Cheating will result in an automatic zero. On quiz or test days absolutely no cell phones may be out (this will result in a zero).

### Grading Policies and Grading Scale:

Student will be graded on the following: 5% bell work/class participation, 10% classwork/homework, 30% quizzes, 55% Tests

Students will be graded on the following: Quarter 1: 40%; Quarter 2: 40% Final Exam: 20%

## ADDITIONAL INFORMATION

- Class participation will be partially based on cell phones. Cell phones will need to be put away or stored in the "cell phone box" during class. Points will be lost if I have to tell students to put their phone away. It will be a 20 point daily grade.
- Solutions for the previous day's assignment are thoroughly discussed the next day in class. THE APPROPRIATE TIME TO ASK QUESTIONS IS IN CLASS DURING GROUP DISCUSSION. Therefore, it is imperative to complete assignments with best effort so meaningful questions can be addressed during discussion.

**Remember the Falcon Way: accountability, discipline, excellence, integrity, professionalism, respect, and responsibility.**

Students in clubs and sports: Participants are responsible for all assignments and assessments that are missed due to absences for home or away events. Previously assigned work that is due the day of an away event must be turned prior to departure. Assessments or assignments that are missed due to an away event must be made up the next school day or as arranged by the teacher.

## CONTACT INFORMATION

- Mrs. Cristine Barsema Room B101
- [cbarsema@fhusd.org](mailto:cbarsema@fhusd.org)
- 480-664-5551
- **Getting help:** I will be available for tutorials in room B101. Before school hours will be by apt only and after school hours will be from 2:20- 3:00 p.m.
- **Email Loop/Website/ Grades:** I email every week to let you know of the week's plans.
- **Grades:** Grades are online as well, at [www.powerschool.fhusd.org](http://www.powerschool.fhusd.org).
- **Prep:** My prep period is 4<sup>th</sup> period. Please feel free to have your parents/guardian call or email me.

Please Sign below and return to Mrs. Barsema.....

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent's phone number: \_\_\_\_\_

Email addresses: (up to 3)

Student \_\_\_\_\_

Parent 1 \_\_\_\_\_

Parent 2 \_\_\_\_\_

Student has computer access at home \_\_\_\_\_ Yes \_\_\_\_\_ No