



Precalculus
Monday – Friday; 1st & 3rd period
COURSE SYLLABUS

COURSE OVERVIEW & INSTRUCTIONAL GOALS

This course is designed to prepare students for college level or advanced placement calculus.

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

- Solve various algebraic equations both graphically and algebraically.
- Recognize basic parent functions and perform transformations of parent functions.
- Use functions to model real world phenomena and applications.
- Solve trigonometric problems using the unit circle and other resources.
- Determine limits of functions.

NEEDS AND RESOURCES

Prerequisite courses, knowledge, and skills:

To successfully complete this course, you must

- Have passed Algebra I, Geometry and Algebra II with a B- or better in each class, or Honors Algebra II with a C or better.
- Listen, take notes, participate in class discussions and activities and complete all assignments. Regular attendance is necessary for success.
- Be able to extrapolate information from a textbook, online resources and from the teacher.

Required Materials

To successfully complete this course, you will need

- Precalculus textbook or text on CD.
- Binder/notebook/folder
- Paper & Pencils
- A graphing calculator; I recommend TI-84 or TI InSpire. Many assignments require the use of the graphing calculator outside of class.

Print Resources

- Holt Precalculus
- Instructor Provided Handouts

Online Resources

- Khan Academy/www.khanacademy.org
- www.coolmath.com/precalculus
- www.themathpage.com

COURSE SCHEDULE

Semester A: Chapters 1-6

Semester B: Chapters 7-11, 14

POLICIES AND PROCEDURES

Classroom Rules & Procedures:

At all times, students must act in accordance with Fountain Hills Unified School District and Fountain Hills High School policy (refer to student handbook). In addition, class expectations are as follows:

- Be considerate and respectful at all times. **No side conversations during instruction.**
- Cell phones and other electronic media need to be off when class begins. Students will lose participation points and/or receive a lower assignment score for use of personal electronic devices without permission from instructor.
- No food or drink in class (water is allowed).
- Be seated and prepared to work when final bell rings. Bellwork is graded and tardies will receive zero on bellwork problems for the day.
- Complete assignments by their due date. Late assignments will receive 75% credit. Absent work is due according to policy in student handbook.
- Cheating on tests or quizzes will result in automatic zero. Cell phones must be stored during testing.

Grading Policies and Grading Scale:

Students will be graded on the following: 5% participation, 10% classwork/homework, 30% quizzes, 55% tests.

Participation Score: Students receive points for class participation. Points are lost for disruption, cell phone usage in class and failure to bring required materials to class.

Semester Grades are computed as follows: Quarter 1: 40%; Quarter 2: 40%; Final Exam: 20%

NOTE: Precalculus is weighted as an Honors Course.

ADDITIONAL INFORMATION

Solutions for the previous day's assignment are provided and discussed the next day of class. THE APPROPRIATE TIME TO ASK QUESTIONS IS IN CLASS DURING GROUP DISCUSSION. Therefore, it is imperative to complete assignments on time with best effort so that meaningful questions can be addressed during discussion. Instructor solutions will be available for student use after school, as needed.

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

CONTACT INFORMATION

- Mrs. Mary Murray/B104
- Office Hours: 2:30 – 3:15 pm (Mon, Thurs) in room B104.
- mmurray@fhUSD.org; (480) 664-5559.
- Grades: Check grades online www.powerschool.fhUSD.org.
- Assignments/Quiz & Test dates are posted in Powerschool and in the class for each week. If absent, see Powerschool for assignment.

Please sign below and return to Mrs. Murray by Friday, August 12.

Student Signature: _____ Date: _____

Parent Signature: _____ Date: _____

Parent's Phone Number: _____

Email addresses (up to 3)

Student _____

Parent 1 _____

Parent 2 _____

Student Computer access _____ Yes _____ No