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Course Description

Taking AP Precalculus prepares you for other college-level mathematics and science courses.

During the course, you will explore everyday situations using mathematical tools and lenses. You will also develop an understanding of modeling and functions, and examine scenarios through multiple representations. The course framework outlines content and skills needed for careers in mathematics, physics, biology, health science, social science, and data science.

-Adapted From College Board Course Description

IMPORTANT NOTICE:

This course will be serving two types of students this year: Dual Credit students through Midland College and AP Students intending to challenge the exam in May. Though the concepts and skills taught in Precalculus are the same, the expectations of each type of student will differ depending on the expectations of the institution awarding the college credit.

This will essentially be two different courses of Precalculus within the same period. Therefore, they will be subjected to different grading standards. As

per Midland College Expectations, dual credit students will not be able to participate in the MHS redo-policy. Dual Credit or AP students may be expected to complete alternate or additional assignments to comply with MC or College Board standards.

Learning Outcomes

This course can serve several purposes. (1) It will award College Algebra (MATH 1314) and Precalculus (MATH 2412) credits in college if taken as Dual Credit. (2) It can count as college credit with a successful AP Exam in May. (3) Serve as a Math elective for high school graduation. **ALL STUDENTS WILL TAKE THE AP EXAM REGARDLESS OF COURSE.**

Expected Behaviors

Students will be treated as a college bound student in this classroom. Behavior that undermines the learning of another student will **NOT** be tolerated. This means adult behavior and manners are expected from students in both conduct in this classroom and study habits. Failure to behave in a courteous manner will result in notifications to parents and efforts on

correcting the problem. Your full participation is not only a requirement; it is also an essential aspect of the course.

Student Communication Policy

You are welcome to email me with questions about grades, assignments, tutoring requests, etc.

Tutorials

If a student does not understand a concept, it is their responsibility to come in for additional tutoring. I will have at least one morning, lunch and afterschool tutoring session each week.

A tutorial schedule will be posted and changes to that schedule will be communicated to parents and students.

Materials:

- **MANDATORY**: dedicated space for class information and notes (Notebook/Binder)
- filler paper
- writing utensils (pencil or pen)
- School issued Chromebook
- calculator (scientific AND graphing) - class set provided

Resources

All students will have access to course materials such as lessons, homework, and keys through the GoogleClassroom. There are several online resources that students will be asked to visit throughout the year. This includes AP Classroom, DeltaMath, Desmos, and more.

MHS Grading Policy:

- Major Assignments Total: 60%
 - Tests/Projects: 60%
- Minor Assignments Total: 40%
 - Quizzes: 30%
 - Practice/Homework: 10%

Dual Grading Policy:

We will follow the Midland College Dual Credit Syllabus for our grading policy. This course will be scored as a collective rather than the averages of the three six weeks and the final. The final will be worth 25% and the remaining 75% will be based on exams, quizzes, and homework. Please refer to the Midland College Syllabus on Canvas for exact details.

Test Correction Policy

Upon notification of the grade, a student will have the opportunity to correct a failed test; **students will be given a maximum of four school days to create a plan with their teacher.** It is the student's responsibility to work with the teacher to schedule

these opportunities before school, during lunch, or after school. In order to have this opportunity, the original test must be complete and appropriate effort must be seen.

Absences:

It is each student's responsibility to get missing assignments, complete, and turn in all work. When you are absent, please make sure you are communicating with me to keep up with your work. A student shall be allowed at least one day of make-up time for each day of absence.

Practice:

Practice assignments will be given daily with the correct answers. The goal is for students to work on assignments until they figure out how to get the correct answer (this may not always be the case and students are NOT expected to spend hours on a single problem). It is the student's responsibility to identify weak areas and seek help. Inadequate effort on homework will result in a lower quiz/test grades. Completing homework is one of the most important tasks in math. There is a direct relationship between success in this class and completion of homework assignments. Late assignments will receive a maximum penalty of 10 points per day.

Tests/Projects:

Each six weeks there will be two or more tests/projects that are composed of multiple-choice questions, fill in the blank, etc. There may be projects depending on the unit. Once again, dual credit students will not be able to participate in the MHS redo-policy for tests.

Quizzes:

Quizzes serve to help students practice their skills and for me to check your understanding before test time. "Skill builder" assignments on DeltaMath will also be used as quiz grades.

PARENTS & GUARDIANS:



Please scan this or use the url
acknowledge your receipt of
the
syllabus.

<https://forms.gle/bboBpzBtnkkYR8Jj9>