



Perry High School Honors Pre-Calculus and Brief Calculus MAT 152 and MAT 212

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We have an updated calendar with the notes and assignments.

Course Description:

Honors Pre-calculus includes topics from college algebra and trigonometry that will prepare the students for Brief Calculus. Students may elect to take this class for dual credit.

Topics Covered:

- Trigonometric Functions and Graphs
- Polar coordinates
- Functions and Graphs
- Vectors and Parametric Equations
- Limits
- Derivative and their applications
- Integrals and their applications

College Credit Options:

Dual Credit: Perry High School, in conjunction with Chandler Gilbert Community College, offers high school students dual credit opportunities. All students must take the ACCUPLACER placement test. Students, who simultaneously enroll in Honors Pre-Calculus at PHS and CGCC, take the course at the high school for credit at both institutions. Students must maintain a minimum of a "C" average and pay the tuition fee to CGCC in order to be eligible to enroll in this course for college credit. A total of 6 college credit hours (3 credits - Math 152 and 3 credits - Math 212) are earned upon successful completion of this course. **Registration occurs in early August.** More information regarding tuition fees and specific dates will be announced at a future date.

It is very important that you check with the college of your choice to see what their specific requirements are for determining credit.

Prerequisite: Completion of Honors Algebra 2 is required. To enroll in dual enrollment you must score a 237 on your ACCUPLACER. This is a college-level course and the standards are high. Be sure that you are ready to work at a high level all year.

Textbook: Advanced Mathematical Concepts Pre-calculus with Applications

by Glencoe McGraw-Hill.

Mathematics an Applied Approach by Sullivan and Mizrahi

Absences and Work: You are expected to make up any work missed because of an excused absence including any class work. **It is your responsibility** to find out what work was done while you were absent, check the white board, website or contact me. You will be given a day for every excused absence day plus one to make up any missed work including tests or quizzes. After that, no late work will be accepted.

UNEXCUSED ABSENCES WILL RESULT IN A ZERO FOR THAT DAY'S ASSIGNMENT.

Tutoring: Times and location will be posted in the classroom. You are responsible for your own learning, if you have questions, come in as soon as possible to get them answered, don't wait until the last minute, your grade will suffer.

Grades and Assignments:

- Grades are cumulative; your final grades are the semester grades in December and May, we do not start over in October and March.
 - All class work, homework, and warm-ups will make up 15% of the cumulative grade throughout the semester.
 - Grades are based on the following
 - 1) **Warm-ups** will be given daily. It is your responsibility to get it completed in a timely manner. *Any warm-up can be a quiz.*
 - 2) **Homework** is given daily. I will stamp homework at the beginning of class. If your homework is not done when I stamp, you will not receive full credit. There is no late homework!
 - 3) **Tests/Quizzes** will be worth 85% of the cumulative grade. Reviews will be given before test, but they are not all inclusive.
 - **Test 60%**
 - **Quizzes 25%**
 - **Test must be completed in the allotted time, no additional time will be given to complete test, pace yourself accordingly.**
 - 4) **Final exam** is worth 20% of your final semester grade
 - 5) Your cumulative grade is worth 80% of your final semester grade
- DO NOT THROW AWAY ANY MATH PAPERS!!!**

Grading scale:

90% -100% = A 80%-89% = B 70%-79% = C 60%-69% = D 59 and below = F

Required Materials: (you will need to bring these daily)

- 3-Ring Math Notebook for taking notes or a clearly marked section in your binder.
- Graph paper
- Pencil and Pen and highlighter
- A TI-83 or TI-84 graphing calculator

Calculator: **A TI-83 or TI-84 graphing calculator is required and mandatory!**

Classroom Expectations:

- To attend class regularly and use class-time wisely
- To be in your seat with homework and w-up out ready to work when the bell rings.
- To be prepared for class
- To have a positive attitude
- To remain in you seat until you are dismissed
- To be respectful to yourself, your peers, and you instructor.
- All policies and rules as outlined in the student planner.
 - The cheating policy as outlined in the handbook will be strictly enforced.

Tardy Policy: Tardies will be counted and detention will assigned by an administrator on the fourth occurrence.

Electronic Devices: They are not allowed in the building. These devices (iPods, cell phones, CD players, etc.) will be confiscated and can be picked up in the office at the end of the day.

- All cell phones will be collected on test and quiz days.