



Houston Independent School District
S.P. Waltrip High School
1900 West 34th Street, Houston, Texas 77018-6186
Phone: 713-688-1361 · Fax: 713-957-7743 · Website: www.houstonisd.org/waltriphs



Doug Martin - dmartin@houstonisd.org
Tutorials are available: Tue-Thurs after school.

WELCOME TO *Mr. Martin's* HADV PRECALCULUS: dmartin@houstonisd.org

After completing HADV Pre-Calculus students will have a fundamental grounding in Algebra and Trigonometry and be prepared for Calculus and other higher-level mathematics courses. At the satisfactory completion of this course, a student will be able to:

- *Solve elementary algebraic and transcendental equations using analytical, numerical, and graphical methods.*
- *Use algebraic and transcendental equations to model and solve applications.*
- *Draw and interpret graphs of elementary functions; i.e., linear, quadratic, polynomial, exponential, logarithmic and trigonometric functions.*

HADV PRECALCULUS COURSE CONTENT:

Course Content

The course will review the basic definitions and concepts of functions. In particular we shall discuss exponential, logarithmic and trigonometric functions, as well as applications involving these functions. If time permits an introduction into Calculus will be discussed.

Cooperative Learning Groups

You may do some of the work of this course in cooperative learning groups. It seems to work best if there are three or four students in each group. You will be working with your small group in class and on certain homework assignments

Working well in a group is an important skill. Some of you may enjoy the group work more than others, and all of you will benefit from further developing this skill. In college and in the working world most of you will be required to function as a member of a project team. One objective of group work in this course is to help you to develop skills in working effectively as part of a team.

One of the objectives of this course is to help you to learn to think about problems mathematically and to solve the problems on your own. Working with your colleagues in this class and talking about problems with your group members are strategies to help you better understand a problem situation from several points of view.



SIX WEEKS GRADING POLICY:

- 30%** Major Grades (Tests, Quizzes, Major Projects, etc.)
- 20%** Daily Grades/participation
- 50%** Classwork/Homework/Minor Projects

Re-Test Policy: (Only for failed tests)

1. Parent and student signatures are required on original test.
2. **1** Tutorial session is required prior to re-test.
3. The re-test must occur **within ONE week** of the return of the original test.
4. Maximum score on re-test: 70

HOMEWORK

Expect to have AT LEAST 10 homework assignments per cycle. Attempt ALL assignments and put forth a college-student effort. All assignments must SHOW work (when applicable) – just answers are **NOT** accepted. “*No work, no credit*” (NWNCR). Attempting all homework assignments have a positive correlation with higher quiz and test grades. Any work not turned in will result in a zero. Zeroes are detrimental to your six-weeks’ grade.

ABSENCES:

If you are absent, **it is your responsibility** to discuss make-up with your teacher.

1. If you are absent the day an assignment is **due**, it must be turned in the day you return.
2. If you are absent the day an assignment is **assigned**, it will be due the following day you return to class after assignment is received.

CLASS MATERIALS:

Each student must maintain a **math only** notebook for study and documentation. Every student must bring a laptop to the class everyday. All returned work should be placed in the notebook within the specific section, not loose in binder or backpack.

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|---|--|
| 1. 1 - 2”, three-ring binder (optional) | 4. Colored markers/ highlighter (optional) |
| 2. Loose-leaf paper; | 5. Notebook |
| 3. #2 pencils | 6. Laptop |



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CLASSROOM PROJECTS: A major project and some minor projects will be assigned each semester. Projects are group or individual depending on the topic. Students will be awarded a Major grade for the projects

CALCULATOR: A TI-84 Plus will be used in the classroom. A classroom set of calculators may be used while in class – each one assigned by number. Students may also be encouraged to download the calculator app on their laptop.

CLASSROOM NORMS:

- ✓ Be on time - you miss out when you're late; (*tardiness* is **NOT** acceptable)
- ✓ Be prepared – **Bring all materials daily**
- ✓ Follow oral and written directions
- ✓ Respect the rights of others
- ✓ Put forth your best EFFORT (You can't be extraordinary, if you do average work)
- ✓ No cell phone during class time; Your phone will be confiscated if you use them while class is in session; parent conference may be required for non-compliance.



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PRE-AP Precalculus Course Student and Parent Signature Form

I have read and discussed the **HADV Precalculus 2021-2022** Syllabus and accept responsibility for meeting these expectations in class. Please complete all lines of this form. If not applicable, indicate by "N/A".

Student Name (print)

Date

Student Signature

Date

Parent/Guardian Signature

Date

Parent/Guardian daytime phone _____ (work) _____
(cell)

Relation to student: _____

Parent/Guardian's e-mail address: _____

Parents/ Guardians: Please complete all lines of the information above and have your son/daughter promptly return this page only by Friday, August 30, 2021.