

Advanced Functions
Mr. Jeff Dover
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Course Description

Honors Advanced Functions and Modeling provides students an in-depth study of modeling and the application of various functions. Through this analytical study, you will acquire a solid foundation in algebra and trigonometry which will prepare you for other courses such as pre-calculus, and calculus.

Topics

- Sequences and series
- Counting Principles and Probability
- Basics of Functions
- Exponential and Logarithmic Functions
- Trig Functions

Prerequisite

Students are required to have earned a credit in Math III.

Materials

You are required to keep a notebook, loose-leaf paper, as well as graph paper. You may write in either pen or pencil while compiling notes or doing homework. All graded quizzes and tests will be completed using pencils. You will have the use of a scientific calculator while in class.

Grading

Grades will be determined by a combination of chapter tests, quizzes, and graded classwork assignments.

Tests - 60%

Quizzes - 30%

Graded Classwork - 10%

New Grade Scale

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|----------|---|
| 90 - 100 | A |
| 80 - 89 | B |
| 70 - 79 | C |
| 60 - 69 | D |
| Below 60 | F |

Student Progress Access

You will be given an access code from PowerSchool so that you can monitor your progress throughout the semester.

Make-up work

If you are absent, you should check with the instructor upon returning to school. All previously due assignments should be turned in at that time. All assignments missed due to the absence are required to be completed and turned in.

Tutoring

If your class average falls below 70 during the grading period, you may be assigned tutoring during Power Hour. My tutoring days will be announced. After school tutoring is available on an as needed basis. Advanced arrangements should be made with me.

After school Tutoring is reserved for those students who have put forth maximum effort during class and outside of class. Students who choose not to complete homework assignments will not be eligible for tutoring.

Conduct

You are required to comply with all policies and regulations outlined in the student handbook.

Your attire must adhere to the school dress code, keeping in mind good taste and common sense.

No food or drinks are allowed in the classroom. Water bottles will be allowed, but must be filled prior to class.

Electronic devices such as cell phones or music players must remain silent and in book bags or purses.

Upon entering the classroom, students should follow the directions written on the board.

Working on material from other classes in lieu of this class' work is prohibited.

Trips to the restroom, locker, the nurse, and guidance should be limited to emergencies.

Disruptions will not be tolerated.

Profanity as well as other common slang expressions will not be tolerated in this classroom. A respectful environment will be maintained at all times.

Consequences

In cases involving food or electronics, items may be confiscated. Disruptions during class may result in time after class, a parent contact being made, or an office referral.