

Advanced Functions & Modeling (AFM)

Teacher: Mr. Garvey

Classroom: Rm 608

Welcome to AFM!

Advanced Functions & Modeling is a course where students will learn the concepts that will help them be successful at the post secondary level of mathematics. In this course, students will review material previous learned in Math 3 and then expand on those concepts. Furthermore, there will also be many new concepts covered in this course as well and will be challenging to your student. The following is a list of topics that will be covered (not all inclusive) in this course: Statistics (univariate data), linear programming, permutations, combinations, probability (conditional), exponential & logarithm functions, right triangle trigonometry, and Unit Circle trigonometry. Upon successful completion of this course, students should be ready to take their first post secondary math course.

MATERIALS

Required:

Pencils **Notebook Binder 2"** **Notebook paper** **Graph Paper** **Notebook Dividers (x5)**

Optional: (highly recommended though)

Calculator (TI 83 plus or TI 84) **Color Pencils/Highlighters** **Ruler**

CLASSROOM RULES

I have established these four rules in order to promote a fun, courteous, and safe learning environment for my students and myself.

- 1) **Be on Time**
On time means being in the classroom seated when the tardy bell rings; not walking in the door.
- 2) **Be Prepared**
Have all your materials required for class with you when you come to class. This includes (but is not limited to) paper, **pencil**, homework, and math notebook. You need to turn in all assignments on time.
- 3) **Be Respectful**
Treat others as you would want them to treat you. Do not consume food or drink (other than water) at any time in my classroom; this includes gum and candy. **DO NOT SLEEP!**
- 4) **Be Responsible**
You are to follow all classroom, HHS, and Craven County rules.

CONSEQUENCES FOR INAPPROPRIATE BEHAVIOR

The consequences for inappropriate behavior will be handled in accordance with my classroom management plan.

STUDENTS who commit the following infractions will receive an immediate referral to the Administration: fighting, cheating, skipping class, abusive language towards the teacher, dress code violation, and or blatant disrespect or defiance.

TARDY POLICY

Tardiness to class will be handled in accordance with the **school's tardy policy**. If you have any questions, see the student handbook.

RESTROOM POLICY

A student cannot learn if they are not in the classroom. **Students are expected to use the restroom between classes and during lunch.** Students will receive a sheet that has their restroom passes on it and it is the student's responsibility to keep up with this sheet. **There will be no additional passes given if a student loses their sheet.** Once these passes are used, a student may be allowed to go at the teacher's discretion. Any passes that are unused at the end of the semester will be used for extra credit on the last unit test.

NOTEBOOK REQUIREMENTS

Students will be required to keep a 2" binder with five section dividers. **This notebook can be collected and checked at anytime during the semester.** Students should maintain their notebooks at all times in accordance with Mr. Garvey's Notebook organization sheet.

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GRADING PROCEDURES AND POLICY

The HHS grading scale will be utilized: A (100-90), B (89-80), C (79-70), D (69-60), and F (59 and below). To get full credit on your homework and class-work **you must show your work (steps) and be turned in on time**. Late work can only receive a maximum grade of 50%, **if accepted**. **ALL WORK TURNED IN FOR A GRADE MUST BE IN PENCIL**. **Talking during a quiz or test may result in a zero! Cheating on a quiz or test will result in a zero, a parent contact, and a referral to the administration.** Your grade will be calculated by assignment type/weight in the manner below:

Tests:	50%
Quizzes / Notebook Checks:	25%
Homework/Class-work/Activities:	15%
Bell-work:	10%

All tests and assessments will be cumulative! The MID-TERM WILL BE GIVEN AT THE END OF THE 1ST 9 WEEKS AND COUNTS TWICE. **At the end of the semester, all students will take the NC Final Exam; this exam is 25% of their grade.**

RETESTING & TEST CORRECTIONS

Tests are the only assessments that students may retest or do test corrections on. Students may do up to two retests or test corrections every 9-weeks. Students need to follow my retest/test correction policy; which they have a copy and it is on my website.

HOMEWORK

Homework assignments with 10-25 problems will be given almost daily. Students are **required to show all work; NO WORK, NO CREDIT! Work done in any type of pen will not be accepted!**

EXTRA CREDIT

The **ONLY** extra credit I give is concepts from Math iXL assigned during specific units/chapters. Students that get 85% or higher on a concept will get an extra credit point per concept added to that unit/chapter test. **I DO NOT GIVE EXTRA WORK FOR EXTRA CREDIT!**

MAKE-UP PROCEDURES

If a student is absent, he/she must make arrangements **within 3 school days** with me to make up any work missed. **Students should get missed notes from another student or my website. Any missed work that is not made up will be given a grade of zero until made up.**

If you or your parent(s)/guardian(s) have any questions or concerns about the above information, please feel free to contact me. Email is the best way of corresponding with me!

HHS Telephone #: 444-5112

Mr. Garvey's email: dave.garvey@cravenk12.org

Mr. Garvey's webpage: <http://hhsmsgarvey.weebly.com>

AFM will be is a challenging course. Students will have to be willing to put forth a good deal of effort. This includes, but is not limited to, coming to class regularly, doing all work assigned, studying, and never giving up. I look forward to getting to know you over the semester and helping you obtain the skills necessary to succeed AFM.

Print Student Name

Print Parent Name

Student Signature

Parent Signature

Date Signed