**Mission Statement: *“A community where everyone loves to learn, work, and serve.”***

**Advanced Mathematical Decision Making (AMDM)**

**2017-2018 Syllabus**

**Ms. Gialenios** **gialeniosf@fultonschools.org**

**Course Content and Textbook:**

The Georgia Mathematics Curriculum focuses on actively engaging the students in the development of mathematical understanding by using a variety of representations, working independently and cooperatively to solve problems, estimating and computing efficiently, and conducting investigations and recording findings. There is a shift towards applying mathematical concepts and skills in the context of authentic problems.

Advanced Mathematical Decision Making (AMDM) will give students further experiences with statistical information and summaries, methods of designing and conducting statistical studies, an opportunity to analyze various voting processes, modeling of data, basic financial decisions, and use network models for making informed decisions.

There is not a textbook for this course.

**Classroom Mission:**

To create an environment of respect where every student has the opportunity to achieve math success.

**Required Materials:**

* **Notebook**: Paper and a three ring binder (1 ½ - 2”) are required for class each day.
	+ **4 Dividers labeled**
		- Notes/Worksheets
		- Reviews
		- Minor Projects/Quizzes
		- Major Projects/Tests
* Pencil(s)
* **Calculator:** I have a class set of graphing calculators, but these CANNOT go home. If you would like your own calculator, I would recommend purchasing **TI - 83 or TI - 84 plus** graphing calculator or a **TI – 30XS** scientific calculator.

**Grading Scale**

A 90-100%

B 80-89%

C 70-79%

F Below 70%

**Grade Distribution**

* Final Exam: **20%**

* Tests/Major Projects (In Class and Unit Summative)**: 40%**
* Quizzes/Minor Projects (In Class or Out of Class and Formative – Unit Check Point): **30%**
* Other(homework, study guides, classwork):**10%**

**Class Rules**

**1. Be prepared** and ready to learn when the bell rings. Tardiness is unacceptable, and the consequences are outlined in the Student Handbook.

**2. Do your best at all times.**

**3. Respect the teacher, your classmates and yourself!!** Disrespect for either the teacher or fellow students, or any form of disruption will not be tolerated in this class.  Detention and/or referral to an administrator are possible consequences of such behavior.

**4. Cheating will not be tolerated and will result in an automatic ZERO for the assigned activity.**  Any cheating will result in a call home and possible parent conference, detention, and a referral to an administrator.  This will also result in an Honor Code violation and may be assigned two days of Saturday School for the first offense.

**5.** No talking during tests.  Talking is considered cheating and will result in a **ZERO** on your test.

# **Behavior**

# You are expected to comply with all the behavior rules as stated in your student handbook. Students are expected to be in class and in their seats before the tardy bell rings. No food or drinks are permitted in the class except water.

\* Extreme negative behaviors (such as fighting) will result in immediate referral.

**Assignments**

Assignments will be made DAILY. My website can be found on the Chattahoochee Web Page: <http://www.chattcougar.com>

My website shows the syllabus, AMDM course expectations and our unit assignment sheets,

which share daily topics, assignments and quiz and test dates.

**Attendance/Make-up Work**

Regular attendance in this class is essential in order for each student to be successful. **In the event of an unexpected absence, it is the student’s responsibility to check the assignment sheet for missed work and complete it in a timely fashion. If absence is due to a field trip or other planned event, it is the student’s responsibility to get the assignment ahead of time and have it completed upon their return to class.** If a student misses the day before a test, he/she is expected to take the test as scheduled. When only the day of a test is missed, the student must be prepared to take the test during the next class period he/she is present. Any other work missed, due to an extended absence, can be made up before or after school by appointment.

**Extra Help**

I am available in the a.m., if I do not have a meeting, or during your homeroom time period. Please check availability with me in order to schedule a time for help. You are strongly encouraged to study nightly what is covered daily in class. Be prepared to show specifically what you do not understand. Be able to show me your work and notes where you have been trying to do the problems.  **Do not wait until the last minute before a test!**

\*\* **All rules of CHS and the FCSD will be in effect in this class.** \*\*

**\*\*The CHS Plagiarism Statement and Honor Code policy will be followed in this class. \*\***

**Use of Graphing Calculators**

Graphing calculators are powerful mathematical tools. Through their use students can visualize problems more quickly, discover mathematical properties, and validate their work done with pencil and paper. They **must** be used appropriately. Graphing calculators are **not** substitutes for students learning mathematical concepts and processes. They are to be used to **enhance** student learning. Game playing is **not** an appropriate use on the graphing calculator and it will not be permitted in class. It is the goal of the Mathematics department to have students learn to use and appreciate the graphing calculator as a mathematical tool.

**Chattahoochee High School Provision for Improving Grades**

1. Students who complete a major assessment but fail to demonstrate mastery as evidenced by a grade below 75% on the major assessment may pursue an improvement opportunity to show proficiency. In the case of an honor code violation on a major assessment, the grade will stand as a zero with no eligibility for recovery on that assignment. What is classified as a major assessment is determined within the content area; consult your course syllabus for details.
2. Students should contact the teacher concerning recovery opportunities within 5 school days of being informed of the grade on the assessment in class.  Students are allowed one attempt at recovery per major assessment. All recovery work must be completed 10 days before the end of the semester.
3. The grade on the recovery assignment will replace the original grade if the recovery grade is equal to or below 75%.  If the recovery grade is above 75%, the original grade will be replaced with a 75%.

**School Board Policy IHA Grading and Reporting System**

Provision for Improving Grades

1. Opportunities designed to allow students to recover from a low or failing cumulative grade will be allowed when all work required to date has been completed and the student has demonstrated a legitimate effort to meet all course requirements including attendance. Students should contact the teacher concerning recovery opportunities.  Teachers are expected to establish a reasonable time period for recovery work to be completed during the semester. All recovery work must be directly related to course objectives and must be completed ten school days prior to the end of the semester.
2. Teachers will determine when and how students with extenuating circumstances may improve their grades.

#### Advanced Math Decision Making (AMDM) 2017-2018

Dear Parents:

I am looking forward to a successful year in AMDM

**Your student’s first assignment is to:**

**1. Students should go to my website, where they can access my syllabus. Students should read the syllabus and check out the first assignment sheet. I would appreciate it if you would also read the syllabus so that you are familiar with the expectations for this course.**

2. **Students are to request that their parents send me an email so that I am sure to have the correct addresses entered. Simply place your child’s name and period number in the subject line. You do not have to do anything else.**

3. Along with your acknowledgement of reading the syllabus, **I am requesting a daytime phone number where at least one parent can be reached** and permission to email progress reports home. This will allow me to update you concerning your child’s progress during my workday, if necessary.

I am looking forward to a great year in AMDM!

Thank you for your cooperation,

Ms. Gialenios

 “I have read the AMDM course syllabus.”

Student signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent’s name (printed) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Daytime/work phone number (mother)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email address mother (printed) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Daytime/work phone number (father)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email address father (printed) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I give permission to receive emailed AMDM progress reports from Ms. Gialenios, in addition to the Chattahoochee progress reports.

Circle one.

 YES NO