

## Syllabus – Advanced Mathematical Decision Making

Facilitator: Yvonne Mears, *Hampton High School*

**Course Title:** Advanced Mathematical Decision Making **Room Number:** 216

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**Course Description:** Advanced Mathematical Decision Making (AMDM), 4<sup>th</sup> Year High School Mathematics

Prerequisite: Successful completion of Math III/Advanced Algebra.

This is a course designed to follow the completion of the third year high school mathematics course. The course 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.

**Standards:**

<https://www.georgiastandards.org/Common-Core/Pages/Math-9-12.aspx>

**CCGPS Advanced Mathematical Decision Making standards:**

<https://www.georgiastandards.org/Standards/Georgia%20Performance%20Standards/CCGPS-Advanced-Mathematical-Decision-Making.pdf>

**Textbook:**

With the emergence of technology as one tool for learning, our class will be utilizing various resources to assist with instruction, including OneNote and interactive math websites.

**Help Availability:** Pre-arranged with teacher. Let me know if afterschool tutoring is not an option for other options may be available.

Great tips article: [Student's Guide to Mathematics Success.docx](#)

**EXPECTATIONS:** All school rules (as outlined in the student handbook) are in effect in our math classroom. Additionally:

- 1) Show respect for yourself and others at all times and stay on task.
- 2) Bring your supplies to class daily (this includes laptop, notebook, pencil, and paper).
- 3) Keep our classroom clean.
- 4) No eating or drinking in class except clear water in a plastic bottle.

Violation of these expectations as set forth above can result in disciplinary action(s).

**Makeup Work:** Attaining missed work is the responsibility of the student. An absence is **not** an excuse for missing work. Only excused absences will receive full credit for late submissions.

**GRADES:** Learning objectives - 80% and Final Exam - 20%. This is a semester only course, thus, grades are finalized each December or May, whichever is applicable. This course does *not* have a Georgia Milestone Assessment requirement. Grades in class should be accessed via your gradebook inside Infinite Campus.

**Supplies:**

Each student has been provided with a digital notebook via OneNote (already installed on their laptops); however, it is best practice to always have basic school materials, such as, paper and pencil available.

*\*It is STRONGLY ENCOURAGED that each student has access to or own a scientific or graphing calculator (TI-83+ or TI-84+) with the ability to perform trigonometric and other complex computations. This calculator would benefit the student throughout his/her high school and college career. While our school do supply some TI-Nspire calculators for use in our classrooms, they are not permissible on Georgia Milestones Assessments and college entrance exams.*

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*I have read and understand the policies and expectations of this AMDM course.*

Student Signature: \_\_\_\_\_

Parent Signature: \_\_\_\_\_

Date \_\_\_\_\_

Parent E-mail: \_\_\_\_\_

Parent Preferred Phone Contact: \_\_\_\_\_

*PLEASE CLEARLY PRINT ALL INFORMATION, IF NECESSARY. FOR THIS CLASS, EMAIL IS  
PREFERRED MODE OF COMMUNICATION BETWEEN HOME AND SCHOOL.*

[AMDMSyllabus.docx](#)