FVS Adv Math Dec Making B Syllabus

Course Description
In this second semester we cover the Units IV, V and VI of the AMDM course; Using Recursive Models and Decision Making, Decision Making in Finance and Networks and Graphs. These units will require the student to use their knowledge of Algebra and apply it to new problems and situations. Mastery will be assessed through quizzes and tests. There is a Final Exam, which is also given, online.

Course Objectives
Advanced Mathematical Topics will look at mathematics in three areas: pure mathematics, applied mathematics, and application-oriented courses. There will be a strong focus on the presentation of mathematical ideas through both written and oral communication. is an introduction to Advanced Mathematical Topics. Topics, including logic and set theory, combinatorics, differential equations and mathematical proofs will be presented through an abstract approach that characterizes upper level mathematics courses. The goal is to give students the skills and techniques they will need as they study advanced mathematics at the college level.

Student Expectations
Course Policies and Procedures:
• You are expected to sign in to the class every day. Make sure to go through this course in order. Do NOT skip around. The course has been created so that you will learn the information in the correct order.
• Participate fully in class discussions. The discussions are meant to accomplish two things. First, give your teacher an indication if you are struggling with any of the concepts in the section you are studying. Second, they are a way to can get help from your fellow students.
• Fulton Virtual School allows students to work at their own pace. From experience we find that students who don’t complete work consistently and wait to the last weeks of the course to complete assignments are rarely successful.
• Print a copy of the Course Schedule and place it in an area that you see every day. For example, you may wish to place it beside your computer or on the refrigerator.
• Don’t be afraid to ask questions. The sooner you get help the easier it will be to complete your work.
• Be sure you keep a backup copy of EVERYTHING. If we experience any system problems, it will keep you from having to duplicate your work.
• Pay careful attention to the instructions for assignments quizzes and tests. Particularly, please note that you may submit a quiz two (2) times (the highest grade will be counted). Tests may only be submitted once. Clicking on the start button for a test or quiz means you have started the assessment. If you try to leave the assessment without completing it, you will be warned that you have not finished, if you choose to continue to exit, the system will count this as an attempt.
Communication
Student Communication:
• Check your email twice a day.
• On all emails and text, please provide your name and the class you are taking. This will help me provide the quickest possible response.
• Don’t hesitate to ask questions. The sooner you get help the easier it will be to complete your coursework.
• Connect with your classmates. You will have opportunities to discuss things with your classmates and your instructor.
• Please review the information at http://www.albion.com/netiquette/corerules.html

Grading Policy
You will be graded on the work you do online and the work you submit electronically to your teacher. The weighting for each category of graded activity is listed below.

<table>
<thead>
<tr>
<th>Assignments</th>
<th>10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lesson Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Unit Tests</td>
<td>30%</td>
</tr>
<tr>
<td>Essays</td>
<td>N/A</td>
</tr>
<tr>
<td>Labs</td>
<td>N/A</td>
</tr>
<tr>
<td>Projects</td>
<td>30%</td>
</tr>
<tr>
<td>Other Assignments</td>
<td>N/A</td>
</tr>
<tr>
<td>Cumulative Exam</td>
<td>20%</td>
</tr>
</tbody>
</table>

All of the grades that you receive online will be recorded in Blackboard. While logged into Genius go to your course and look on your dashboard for My grades.

Fulton County Schools Grade Recovery Policy
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.

Due Dates
The Fulton Virtual School’s policy is to allow students to work at an individualized pace in the course. You are expected to work at your own pace and have the course finished by the last day of the class. You are expected to show the same level of commitment as you would in your traditional school setting.
Scope and Sequence

When you log into the Virtual Classroom, you can view the entire course map, which provides a scope and sequence of all topics you will study. Clicking a lesson’s link in the course map leads to a page listing instructional activities, assignments, and learning objectives specific to that lesson. The units of study are summarized below.

Unit 4: Using Recursion in Models and Decision Making
Unit 5: Decision Making in Finance
Unit 6: Networks and Graphs

Georgia Performance Standards

This course is correlated to the Georgia Performance Standards. If you would like more information on the GPS, please visit: https://www.georgiastandards.org/Georgia-Standards/Frameworks/Advanced-Mathematical-Topics-Standards.pdf

Fulton Virtual School Academic Integrity Policy

In a virtual learning environment, honesty and integrity are integral traits for academic success. At Fulton Virtual, we believe that all students must show integrity in the completion and submission in all aspects of the academic experience. Therefore, no forms of cheating, assisting others in cheating, and/or plagiarism (passing off the work of others as if it is your own) will be tolerated.

When collaboration is necessary to complete tasks and projects, Fulton Virtual School instructors will provide students with advance notice. Thus, all work is considered an individual assignment unless otherwise noted. The following list of dishonest behaviors has been compiled to assist you. This list is by no means exhaustive, and each infraction of academic dishonesty will be handled the virtual instructor on an individual, case-by-case basis.

Dishonest behavior includes, but is not limited to:

1. Plagiarism. Plagiarism can be defined as the inclusion of another’s ideas, words, expressions, or data in writing or presentation without properly acknowledging the source.
2. Unauthorized use of another person’s password/login. Student logins/passwords are confidential information that should not be shared with others.

3. Cheating. Cheating can be defined as the act or attempted act of deception by which a student seeks to misrepresent his submitted work as uniquely his own completed without assistance. Cheating includes copying another student’s work and submitting it as your own.

4. Impersonation. Performing work or taking an examination for another student or allowing someone to do so for you.

5. Falsification and/or misrepresentation of data. This can be defined as the submission of false or contrived data or sources.

6. Computer crimes. This may include damaging computer programs, hacking, constructing viruses, introducing viruses into a system, copying programs, etc.

_Academic dishonesty will result in one or more of the following actions:_

- Loss of grade points
- Removal from the course
- Failure to receive credit for the course
- Loss of eligibility to earn credits through Fulton Virtual Schools

Fulton Virtual School instructors have the authority to require that students perform other tasks or undergo additional assessments in proctored situations. If a Fulton Virtual School instructor suspects that there is a problem with academic integrity, the administrators of both the local school and Fulton Virtual School will be informed. Failure to follow these guidelines may result in removal from your virtual course without further warning.

_All Fulton Virtual Students Must Agree and Adhere to the Following Academic Integrity Guidelines:_

- I understand and will support and will abide by the guidelines set for in the Fulton Virtual School Academic Integrity Policy.
- I will not personally cheat (i.e., use unauthorized materials in completing my assignments and assessments), and I will not help others cheat.
• If I become aware of anyone else’s cheating or use of unauthorized materials (or any other violations of Fulton Virtual School’s Academic Integrity Policy, I have a personal responsibility to report the matter to an instructor or administrator.