

GEORGE MASON UNIVERSITY COURSE SYLLABUS

Instructor: Emmanuel Addo

Phone: (804)-503-1419 (text only)

Zoom Link: <https://gmu.zoom.us/j/98489107751>

Async Instructional Method: Recorded Lectures will be posted on MTWR @ 10:00AM

Zoom Office Hours: MTWR 5:00 – 6:00 PM @ <https://gmu.zoom.us/j/98489107751>

Email: eaddo2@gmu.edu

Course: Quantitative Reasoning MATH 106 – C05

Text: Viewing Life Mathematically (Custom for GMU) by Denley. Please use the free trial when you start using this system just in case after a week or so you decide to change your plans. Payments applied after 12 days free trial. Follow prompts for **HAWKES LEARNING** on Blackboard under *Week One*.

COURSE REQUIREMENTS

Hawkes Learning: This software is needed to do 80% of the course including homework assignments and ebook for the course which is Viewing Life Mathematically (Custom for GMU) by Denley. It has power point slides for each section, topical videos, and instructional tips for answering questions among others.

Calculator and Normal Tables: You will be required to have a calculator for the course with a factorial function (!). Feel free to use online calculator. You will also be prompted to/ permitted to/ encouraged to use normal tables and excel for some more involved calculations. Since this course is fully online, it really does not matter what calculator they use.

Lectures: Recorded lectures will be posted daily together with the power point slides on Blackboard.

Material to be Covered Sections covered are 1.3, 2.1-2.4, 3.1-3.3, 4.1-4.4, 7.1-7.5, 1.1, 8.1-8.5. This course satisfies the General Education Requirement in quantitative reasoning.

COURSE DESCRIPTION This course meets the quantitative reasoning requirement, one of the Foundation requirements of the University General Education program. The goal of the Foundation requirement is to help ensure that students are equipped with the tools and techniques necessary to succeed in college and throughout their lives and careers.

COURSE LEARNING OUTCOMES: The learning objectives for this requirement are:

1. Students are able to interpret quantitative information (i.e., formulas, graphs, tables, models, and schematics) and draw inferences from them.
2. Given a quantitative problem, students are able to formulate the problem quantitatively and use appropriate arithmetical, algebraic, and/or statistical methods to solve the problem.
3. Students are able to evaluate logical arguments using quantitative reasoning.
4. Students are able to communicate and present quantitative results effectively.

The course will introduce the following material: Reasoning, Sets, Logic, Ratios and Proportions Counting, Probability and Statistics.

HOW TO USE HAWKES Each lesson of the software offers three modes:

1. Learn is an interactive presentation of the material found in your textbook and includes instructional video clips and example problems.
2. Practice gives you access to unlimited practice problems, provides error- specific feedback for commonly made mistakes, hints for all incorrect answers, and includes an interactive Tutor with Step-by-Step guidance and fully worked out solutions. Note that every question type from Certify can be found in the Practice mode.
3. Certify is the homework portion of the lesson. After answering the set of questions without exceeding the available strikes (or lives), you will receive a perfect 100% score for your homework. If you are not able to Certify in your attempt, you are able to start a new set of questions over again with no penalty. In the meantime, you may wish to spend more time in the Practice mode before attempting Certify again. You have unlimited attempts in each lesson to receive full credit before the due date.

Additional videos can be found at www.hawkestv.com.

GETTING HELP

Contact Hawkes with any technical questions, including creating your username and password, finding your Access Code or license number, or completing your work.

Phone: 1.800.426.9538 available Monday-Friday, from 8:00am-10:00pm ET.

Email: support@hawkeslearning.com

Chat: www.hawkeslearning.com/chat Chat support is available

COURSE STRUCTURE

This course is conducted entirely online, which means you do not have to be on campus to complete any portion of it. You will participate in the course using Hawkes Learning and Blackboard tools only.

COURSE PARTICIPATION POLICY

Participation is essential to your success in this class. In distance education courses you are required to participate just as if you were in a face-to-face course. This means that in order to get full credit for participation, you will have to complete all assignments on Hawkes Learning on a timely basis and make it a point to visit Zoom Office Hours. Consistent failure to participate in class will result in poor performance in the course.

COURSE ASSIGNMENTS

Homework: Homework assignments will be assigned on daily basis through Hawkes Learning and the accumulated grades will be transported to Blackboard periodically. These assignments will primarily emphasize skill and drill exercises based on topic discussed in class. Homework will be due the following day. 2 bonus sections (4.4 and 7.5) would be used to replace two lowest scores after dropping the lowest sectional homework grade.

Quizzes: There will be short quizzes after completing the weekly sections and their corresponding homework assignments. You have 2 attempts per quiz. No quiz will be dropped.

Final Exam: The **comprehensive** final exam will be administered through Hawkes learning as indicated on class calendar after you have attempted practice finals.

COURSE EVALUATIONS

	Homework	40%
<u>Grades will be weighted as follows:</u>	Quizzes	40%
	Final Exam	20%

GRADE SCALE

The following scale will be used to determine your final grade:

A 93-100	C+ 75-79
A- 90-92	C 70-74
B+ 87-89	C- 65-69
B 84-86	D 55-64
B- 80-83	F <55

COURSE COMMUNICATION

ANNOUNCEMENTS

Weekly Announcements will be posted in BLACKBOARD and copy will be sent to your Mason's email on regular basis. Please make certain to check them regularly (at least once a day), as they contain any important information about upcoming projects or class concerns.

All assignments are submitted through Hawkes Learning

QUESTION FORUM

In online courses it is normal to have many questions about things that relate to the course, such as clarification about assignments course materials, assessments, use of software, inability to download or get access to a particular platform. Please post these on QUESTION FORUM which can be access using ***Discussion Board***. You are encouraged to give answers and help each other for possible consideration. If you have personal matters to share with the instructor relating to performance, feedback on assignments and problems you are having in the class, use email.

FEEDBACK

During the week (M–F) I will check email and monitor Blackboard and Hawkes Learning several times in the day. If you have concern and send me a message, you can expect response within 24 hours. For emergency, do sent me a text.

COURSE DUE DATES

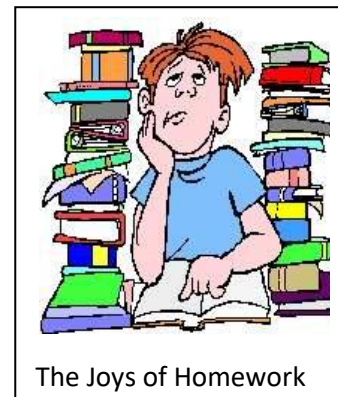
IMPORTANT DATES

The due dates for your assignments can be found in the ***class calendar*** above. Please refer to it on frequent basis. In addition, I will post reminders prior to the due dates in the weekly announcements. All assignments are due at **11:59 PM** of the **DUE DATE**.

ASSIGNMENTS DATES

Each week you will need to complete the following:

- Read the listed sections, power point slides and attempt assignments in Hawkes Learning.
- Revisit Lectures or listen to the recorded lectures before attempting the Homework Assignments.
- Complete daily homework assignments by the end of each due date.
- Complete weekly quizzes by end of each due date.
- Attempt each assignment before moving to the next one.

**OTHER POLICIES**

Disability statement: If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Resources at 703.993.2474. All academic accommodations must be arranged through that office. <https://ds.gmu.edu/>

Incomplete: There will be **no** incomplete in this class unless it is under extreme circumstances, which can best be discussed with the student's academic adviser.

Equity and Inclusion: George Mason University is an intentionally inclusive community that promotes and maintains an equitable and just work and learning environment. We welcome and value individuals and their differences including race, economic status, gender expression and identity, sex, sexual orientation, ethnicity, national origin, first language, religion, age, and disability. Please email me if you have any concerns about any feeling of inequity in this course.

GMU Math Tutoring Center: The Math Tutoring Center will be offering online tutoring services to students currently enrolled in undergraduate Math courses at GMU. More information can be found at: <https://science.gmu.edu/academics/departments-units/mathematical-sciences/math-tutoring/tutoring-center-hours-and>

Additional Resources/Student Services:

- Keep Learning, Learning Services <https://learningservices.gmu.edu/keeplearning/>
- Counseling and Psychological Services <https://caps.gmu.edu/>
- See [a longer list of Mason student support services posted on The Stearns Center website: https://stearnscenter.gmu.edu/knowledge-center/knowning-mason-students/student-support-resources-on-campus/](https://stearnscenter.gmu.edu/knowledge-center/knowning-mason-students/student-support-resources-on-campus/)

University Honor Code: You are expected to follow the GMU Honor Code <https://oai.gmu.edu/mason-honor-code/>

COURSE CALENDAR

Class Calendar of Assignments and their Due Dates (*Post Me on your fridge*)

MT	WK	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
J U N E	1	20 Syllabus	21 Sec 1.3, 2.1 – 2.2 Live Zoom Mgt. 4-5pm	22 Sec 2.3-2.4 Sec1.3-2.2 Due Office Hrs.	23 Sec 3.1-3.2 Sec2.3-2.4 Due Office Hrs.	24 Sec 3.3 Sec3.1-3.2 Due Office Hrs.	25 Quiz1 Sec3.3 Due Office Hrs.	26
	2	27	28 Sec 4.1-4.2 Live Zoom Mgt. 4-5pm Quiz1 Due	29 Sec 4.3 -4.4 Sec4.1-4.2 Due Office Hrs.	30 Sec 7.1 Sec4.3-4.4 Due Office Hrs.	Due Sec 7.2-7.3 Sec7.1 Due Office Hrs.	2 Quiz2 Sec7.2-7.3 Due Office Hrs.	3
J U L	3	4	5 Sec 7.4-7.5 Live Zoom Mgt. 4-5pm Quiz2 Due	6 Sec 1.1,8.1 Sec7.4-7.5 Due Office Hrs.	7 Sec 8.2 Sec1.1,8.1 Due Office Hrs.	8 Sec 8.3 Sec 8.2 Due Office Hrs.	9 Quiz3 Sec8.3 Due Office Hrs.	10
	4	11	12 Sec 8.4 Live Zoom Mgt. 4-5pm Quiz3 Due	13 Sec 8.5 Sec8.4 Due Office Hrs.	14 Finals Review Sec8.5 Due Office Hrs.	15 Prac.&Cert. for Finals Review Office Hrs.	16 Quiz4 Office Hrs.	17
Y	5	18	19 Live Zoom Mgt. 4-5pm Quiz4 Due	20 Finals Review Due	21 FINALS ASSIGNED	22 FINALS DUE	23	24