

# GMU Math 106

## Fall 2021 Syllabus

**Instructor:** Liz Dinkelman

This class will be taught asynchronously. Most of your grade will come from doing the work in the online learning management system called Hawkes. There will also be some other assignments as described in Blackboard.

**EMAIL: edinkelman@nvcc.edu (use the nvcc address since the gmU address is not working well at the moment.) (edinkelm@gmu.edu)** - Please use email for private discussions (not relevant to anyone else in the course). Anything else, post to the discussion board. I answer emails once a day (Monday – Friday). Provide in the subject line, the name of the course you are enrolled in. You also need to include your name in any email you send. All math questions should be asked on the discussion boards. When I respond to emails, they will come from my Northern Virginia Community College email address, edinkelman@nvcc.edu, so if you get an email from that address, that is me.

**Office hours:** I am available for non-math questions via email, or you may email me to set up a time for a zoom appointment. I am often available on Friday mornings between 10 am and 12:00 pm but you will need to contact me the day before so that I can set up a zoom link and send it to you in time.

**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. Follow prompts for HAWKES on Blackboard.

**Needed equipment: INTERNET, COMPUTER, EXCEL, Calculators:** You will be required to have a calculator for the course with an  $e^x$  function and factorial function (!). I recommend the TI-30. If you already have a TI-83/84 then that will work fine but they are expensive so don't go and buy one. You will also use Excel for some more involved calculations.

**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.

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: Inductive and Deductive Reasoning, Sets, Logic, Counting, Probability, Statistics and Finance.

**Exams** will be online in Hawkes and no exam grade will be dropped. See Hawkes for the deadlines of exams and homework.

**Grading:** Your grade will be weighted as follows:

Excel Assignments in Blackboard	14%
Introduction	1%
Exam 1	15%
Exam 2	15%

Hawkes Certify 40%  
Final (Exam 3) 15%

The grading scale will be: A: 90-100%; B: 80-89%; C: 70-79%; D: 60-69%; F: below 60% .  
+ or – may be attached to the grade for the upper or lower 2 points in each range

**Discussion Boards:** Please use the discussion board for ALL content and logistical questions about this course. Make sure you post under the correct forum and either reply to an existing thread or create a new one with a meaningful subject line indicating the unit/ chapter/section or topic you are discussing. Your post can show your work, ask a question or answer a question. You should also introduce yourself on the discussion board. This introduction is worth 1% of your grade.