Instructor: Pam Yusko **Class Time:** Monday/Wednesday 1:30 – 3:20

Email: pyusko@gmu.edu **Office Hours:** Monday/Wednesday 12:00 – 1:00

Tuesday 12:00 – 2:00

Location: Zoom online (link found on Blackboard)

Office: Zoom (Office Hours link found on Blackboard)

Office Hours: Monday/Wednesday 12:00-1:00

Tuesday 12:00 – 2:00 and by request

Email: pyusko@gmu.edu (Please include your name and Math 111-005 all emails.)

Text and Materials: Online Software and e-textbook through MyLabsMath

Finite Mathematics and Its Applications, *12th Edition*, by Goldstein, Schneider and Siegel, Pearson 2018 **with MyLab Math.** The online textbook is included with your MyLab Math subscription.

MyLabMath Course ID: yusko31638

Other Technology:

- *MyLabMath* is for online homework that also contains the online textbook. The course ID for Math 111 is: **yusko31638**
- *Matlab* to help with matrix calculations. This software is available for student use remotely on mason.gmu.edu. The system requires your PatriotPass. Details for connecting is available on Blackboard.
- *Desmos* is a free software that we will use for graphing models and making scatter plots of Data Sets
- Math 111 Data Fitting Notes – will be available on Blackboard
- Calculator for class work, homework, and exams. Any calculator that does arithmetic and exponential calculations is acceptable. Matrix computations on exams and worksheets are to be **done by hand**.

Course Description: This course meets the quantitative reasoning requirement, one of the Foundation requirements of the Mason Core. 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. We will cover the following topics:

- Linear Equations
- Linear Systems and Matrices
- Leontiff Input/Output Analysis
- Markov Processes
- Data Fitting - Polynomial Interpolation, Least Squares

Student Expectations:

- Attendance- you are expected to attend every scheduled online Zoom class Monday/Wednesday 10:30 am – 11:45 am
- Take notes – "Blank Notes to Print" will be available on Blackboard. Print these before every class to have notes to follow along with and add your own notes as we go through the lesson
- Preparation- you are expected to be prepared for class. The preparation includes doing homework problems, watching videos and reading the textbook.
- Check Blackboard regularly for announcements and assignments.
- Meet deadlines for assignments in MyLab Math and Matlab. I will post reminder announcements for these deadlines.

Exams:

- **Exam 1 - Friday, February 26**
- **Exam 2 - Friday, March 26**
- **Final Exam: Wednesday May 5th 10:30 am - 11:45 am**

Grading: Your grade for the course will be calculated based on MyLabMath Assignments, Matlab Assignments, Class Worksheets, two Exams, and a Final Exam

- 20% is MyLabMath Assignments
- 20% is Matlab Assignments)
- 10% Class Worksheets
- 50% is the two exams and the final exam

A: 90-100 B: 80-89.9 C:70-79.9 D:65-69.9 F: below 65

+ or – may be attached to the grade for the upper or lower 2 points in each range

NO MAKE-UP TESTS or CLASSWORK will be given. If you miss an exam contact me ASAP.

Homework: Homework practice problems will be assigned at the end of each class and reviewed at the beginning of the next class meeting. Reading the sections of the text related to the problems is a part of the homework assignment. I will post the assignment regularly on the course Blackboard. We will have weekly assignments on MyLab Math. They will usually be due Sunday night at 11:59 pm.

Honor Code: Sharing information of any kind about exams is an Honor Code violation. The assigned Matlab problems are NOT GROUP PROJECTS. Each student is to work independently and turn in their own Matlab calculations. Some kinds of participation in online study sites violate the Mason Honor code: these include accessing exam or quiz questions for this class; accessing exam, quiz, or assignment answers for this class; uploading of any of the instructor's materials or exams; and uploading any of your own answers or finished work. Always consult your syllabus and your professor before using these sites. Any violations will be referred to the Office of Academic Integrity. Let me be very clear: at no time is it acceptable to post problems from this course (Worksheets, Matlab assignments or Exams) on websites like Chegg.com. Violations will be sent to the Office of Academic Integrity

Disability statement: If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Services at 703-993-2474. All academic accommodations must be arranged through that office.

General Remarks: I am here to help. If there is anything that you have trouble with just let me know. I can try to help over email or I can meet on Zoom. I will structure and organize the course with weekly units on Blackboard to make it easier for you to follow. Be aware deadlines. Keep on top of the class and try not to get behind. Get help as soon as possible.

Mason's Nondiscrimination Policy: George Mason University is committed to providing equal opportunity and an educational and work environment free from any discrimination on the basis of race, color, religion, national origin, sex, disability, veteran status, sexual orientation, or age. Mason shall adhere to all applicable state and federal equal opportunity/affirmative action statutes and regulations. Moreover, in this class we seek to create a learning environment that fosters respect for people across the entire range of human identities. We encourage all members of the learning environment to engage with the material personally, but to also be open to exploring and learning from experiences different than their own.

In this class we are tolerant of all people and the differences that make us all unique.