George Mason University
Math 110-001
Course Syllabus

Term   Spring 2018
Title   Probability
Course   Math 110-001
Location   Robinson Hall room B202
Time   Tue and Thu 12:00 - 01:15
Professor: Douglas Eckley
              deckley2@gmu.edu
              mobile #   571 277 7927 (use sparingly)
              office #   703 993 1682
              office hours   Tue and Thu 2pm - 7pm

Description

This course meets the quantitative reasoning requirement of the Mason Core. As such, the professor is required to introduce the students to a computer-based math capability. In my class, that means Excel spreadsheets.

We will cover the following topics:

        Introduction to Excel
        Linear Equations
        Matrices
        Probability
        Difference Equations
        Data Fitting - Polynomial Interpolation, Least Squares

The book is <u>Finite Mathematics and Its Applications</u>, Eleventh Edition, by Goldstein, Schneider and Siegel, Pearson 2014

We will also use a quasi-book: Data Fitting Notes. I will make this quasi-book available on Blackboard.

Procedures

If at all possible, but it is not required, bring your pc to class. That way you can be hands-on with Excel during class; very conducive to learning mathematics.

The class will consist mostly of a series of lectures.

Grading will be divided as follows:

Homework	25
Progress Tests	45
Final exam	30

You must do the homework problems in Excel. Details of homework problems will be determined as we progress.

Calendar

Date	Topic
23-Jan	Excel Spreadsheets
25-Jan	Chapter 1
30-Jan	Chapter 2
01-Feb	Practice Problems
06-Feb	Chapter 5
08-Feb	Practice Problems
13-Feb	Chapter 6
15-Feb	Practice Problems
20-Feb	Review
22-Feb	Test #1
27-Feb	Chapter 10
01-Mar	Practice Problems
06-Mar	No Class
08-Mar	Spring Break
13-Mar	Chapter 11
15-Mar	Practice Problems
20-Mar	Review
22-Mar	Test #2
27-Mar	Chapter 12
29-Mar	Practice Problems
03-Apr	Data Fitting part 1
05-Apr	Practice Problems
10-Apr	Data Fitting part 2
12-Apr	Practice Problems
17-Apr	No Class
19-Apr	No Class
24-Apr	Simulation
26-Apr	Practice Problems
01-May	Review
03-May	Test #3
08-May	Review
10-May	Final