

George Mason University
Math 352
Course Syllabus

Date Fall 2022
Title Mathematical Statistics
Course Math 352-001
Location Horizon 3008
Time MW 3:00PM - 4:15PM

Professor: Dr Eckley
 deckley2@gmu.edu
 mobile #: 571 277 7927 (use sparingly)
 office #: 703 993 1682
 office hours: Wednesday 1pm to 3pm

Description

The book is An Introduction to Mathematical Statistics 5th or later Edition, by Larsen and Marx.

This course deals with the various aspects of random variables and statistical modeling. It may appeal to both applied-math (engineering, statistics, actuarial science) oriented students and theoretically oriented students.

Procedures

The class will consist mostly of a series of lectures. I am of a practical rather than theoretical orientation. Often we will do calculations together in spreadsheet, shown on the whiteboard.

Grading will be divided as follows:

Progress Tests (5)	75
Final exam	25

I will grade on a curve at the end of the semester. The curve will be no more harsh than 90/80/70/60, and may well be more lenient than that.

Attendance

I do not take attendance, but it is a small enough class that I will know.

Calendar

Date	Topic	Reference to Book
22-Aug	Probability	Ch 2

24-Aug	Probability	Ch 2
29-Aug	Random Variables	Ch 3
31-Aug	Random Variables	Ch 3
05-Sep	NO CLASS (Labor Day)	
07-Sep	Progress Test #1	
12-Sep	Probability Distributions	Ch 4
14-Sep	Probability Distributions	Ch 4
19-Sep	Probability Distributions	Ch 4
21-Sep	Estimation	Ch 5
26-Sep	Estimation	Ch 5
28-Sep	Estimation	Ch 5
03-Oct	Review	
05-Oct	Progress Test #2	
11-Oct	Simulation	N/A
12-Oct	Simulation	N/A
17-Oct	Confidence Intervals	Ch 6
19-Oct	Confidence Intervals	Ch 6
24-Oct	Review	
26-Oct	Progress Test #3	
31-Oct	Uses of the Normal Distribution	Ch 7
02-Nov	Uses of the Normal Distribution	Ch 7
07-Nov	Regression	Ch 11
09-Nov	Regression	Ch 11
14-Nov	Progress Test #4	
16-Nov	Goodness of Fit	Ch 10
21-Nov	Nonparametric Statistics	Ch 14
23-Nov	Thanksgiving Break	
28-Nov	Progress Test 5	
30-Nov	Review	
05-Dec	Reading Day	
12-Dec	Final Exam 7:30am – 10:15am	