

George Mason University
Math 352
Course Syllabus

Date Fall 2019
Title Mathematical Statistics
Course Math 352
Location Peterson Hall 1113
Time MW 3:00PM - 4:15PM

Professor: Dr Eckley
 deckley2@gmu.edu
 mobile #: 571 277 7927 (use sparingly)
 office #: 703 993 1682
 office: Exploratory Hall room 4451
 office hours: MW 11:00 - noon and MW 1:30 - 2:50

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.

Grading will be divided as follows:

Progress Tests (3)	60
Final exam	40

Calendar

Date	Topic	Reference to Book
26-Aug	Online assignment in lieu of class	
28-Aug	Probability	Ch 2
04-Sep	Probability	Ch 2
09-Sep	Random Variables	Ch 3
11-Sep	Random Variables	Ch 3
16-Sep	Probability Distributions	Ch 4
18-Sep	Probability Distributions	Ch 4
23-Sep	Probability Distributions	Ch 4

25-Sep	Review	
30-Sep	Progress Test #1	
02-Oct	Estimation	Ch 5
07-Oct	Estimation	Ch 5
09-Oct	Estimation	Ch 5
14-Oct	Simulation	N/A
16-Oct	Simulation	N/A
21-Oct	Confidence Intervals	Ch 6
23-Oct	Confidence Intervals	Ch 6
28-Oct	Uses of the Normal Distribution	Ch 7
30-Oct	Uses of the Normal Distribution	Ch 7
04-Nov	Review	
06-Nov	Progress Test #2	
11-Nov	Regression	Ch 11
13-Nov	Regression	Ch 11
18-Nov	Analysis of Variance	Ch 12
20-Nov	Analysis of Variance	Ch 12
25-Nov	Nonparametric Statistics	Ch 14
27-Nov	Thanksgiving Break	
02-Dec	Nonparametric Statistics	Ch 14
04-Dec	Review	
09-Dec	Progress Test #3	
11-Dec	Final Exam	