

George Mason University
Math 351
Course Syllabus

Date Summer 2021
Title Probability
Course Math 351
Location Blackboard Collaborate Ultra
Time Mon/Wed 7:20PM
Professor: Douglas Eckley
deckley2@gmu.edu
Office Hours: by appointment and will use Zoom
Cell phone 571 277 7927 (use sparingly)

Description

This course is a prerequisite and/or companion course for Math 352.

The book is A First Course in Probability, (8th or later edition), by Sheldon Ross, Pearson Education Inc, ISBN: 978-0-321-79477-2.

Procedures

The class will consist mostly of a series of online lectures/demonstrations.

Grading will be on a 100-point scale (lowest A/B/C = 90/80/70) divided as follows

| | |
|--------------------------|----|
| Unit tests (3 x 20 each) | 60 |
| Final exam | 40 |

Calendar

| <u>Date</u> | <u>Topic</u> | <u>Reference to Book</u> |
|-------------|--|--------------------------|
| 02-Jun | Combinations | Ch 1 |
| 07-Jun | Definitions of Probability | Ch 2 |
| 09-Jun | Conditional Probability (pre-recorded) | Ch 3 |
| 14-Jun | Unit 1 Exam | |
| 16-Jun | Discrete Random Variables | Ch 4 |
| 21-Jun | Continuous Random Variables | Ch 5 |
| 23-Jun | Joint Distributions | Ch 6 |
| 28-Jun | Expectation | Ch 7 |

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|---------------|-------------------|-------|
| 30-Jun | Unit 2 Exam | |
| 05-Jul | School Holiday | |
| 07-Jul | Limit Theorems | Ch 8 |
| 12-Jul | Additional Topics | Ch 9 |
| 14-Jul | Simulation | Ch 10 |
| 19-Jul | Unit 3 Exam | |
| 21-Jul | Review | |
| Friday 23-Jul | Final Exam | |