MAP 4113.0001 – Probability, Random Processes and Applications (Fall 2020)

Days & Times: Tue, Thu 3:00–4:20 on Zoom (see webcourses)
Professor: Jason Swanson
Office: Zoom (see webcourses)
Office Hours: Mon 10:30–11:30; Thu 4:30–5:30, or by appt
Textbook: A First Course in Probability, Tenth Edition, Sheldon Ross

Course description: Stochastic phenomena ("stochastic" is simply a synonym for "random") are studied using a certain class of mathematical models. Probability theory is the branch of mathematics which studies these models. This course will cover the elementary notions and methods of probability theory. From the textbook, we will cover Chapters 1 through 7, and also Sections 8.1–8.3, although we will skip Sections 1.6, 2.6, 5.6, 6.6–6.8, and 7.8–7.9.

Grading: There will be "Reading quizzes" in webcourses that will count for 5% of the overall grade. There will be "Written assignments" in webcourses that will count for 15% of the final grade. We will have three tests in webcourses that will count for 20% each. The final exam will also be on webcourses and will count for 20%. The tests and the final will have both a written component and a digital component. See webcourses for further information about these categories of graded work.

The tests will happen around Weeks 4, 8, and 12. You may be required to take the digital component during our regularly scheduled meeting time. The final exam is scheduled for Thursday, December 10, 1:00 pm–3:50 pm. You may be required to take the digital component of the final exam during this time.

The required threshold for an A is 90%; for a B, 80%; for a C, 70%; and for a D, 60%. Below 60% is an F.

Information found in webcourses:

- Important information about contacting me

- Submitting written solutions

- Cheating

- UCF services, resources, and policy statements