Probability & Statistics

ECE 342

Instructor Info

Yuanzhang Xiao

Office Hour: Tu/Th 12PM-1PM or by appointment

POST 201G or on Zoom

yxiao8@hawaii.edu

Course Info

MWF

8:30am–9:20am

POST 126

Overview

In this course, we will cover probability, statistics, random variables, distributions, densities, expectations, limit theorems, and applications to electrical engineering. Throughout the course, we will illustrate theoretical concepts with examples and exercises. We will also discuss useful concepts and examples that often appear in job interviews for software engineers, data scientists, wireless communications engineers, and so on.

Material

Textbook

Dimitri P. Bertsekas, & John N. Tsitsiklis. *Introduction to Probability*. 2nd Edition. Athena Scientific, Belmont, Massachusetts. 2008.

Grading Scheme

30%	about 10 Homework assignments
45%	3 Midterm Exams (Feb 12, Mar 12, Apr 9 in class), 15% each
20%	Final Exam
5%	Participation (e.g., mid-term course survey)
TBD%	Extra Credits

Letter grades will be assigned based on the rankings of your numeric grades (i.e., we will curve the grades).

Late Homework Policy

Late homework will only be allowed for students who have a substantiated excuse approved by the instructor *before the due date*.

Academic Integrity

The University Code of Academic Integrity is central to the ideals of this course. Students are expected to be independently familiar with the Code and to recognize that their work in the course is to be their own original work that truthfully represents the time and effort applied. Violations of the Code are most serious and will be handled in a manner that fully represents the extent of the Code and that befits the seriousness of its violation.