

# Introduction to Probability

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Introduction to Probability STA 4321 and STA 5325

## **Instructor:**

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Office Hours:  
TBD

## **TA:**

Yaozhi Yang  
Office Hours: TBD

## **Lecture Format:**

The course will be delivered **in person** in the classroom.

## **Required Textbook:**

7th edition of Mathematical Statistics with Applications by Wackerly, Mendenhall, and Scheaffer (WMS)

## **Prerequisites:**

MAC 2313 with a minimum grade C

## **Objective:**

The sequence of courses STA 4321-4322 (rep. 5325-5328) provides a formal and systematic introduction to mathematical statistics for students who have passed three semesters of standard undergraduate level calculus. STA 4321/5325 introduces the background in probability that is necessary to understand the classical statistical theory introduced in STA 4322/5328. Major topics include the basic formal elements of probability, discrete and continuous random variables, multivariate distributions, distributions of functions of random variables, and fundamental limit theorems.

## Course Schedule:

The course covers Chapter 1-6 in the book of WMS. We will spend approximately two weeks in each chapter.

## Grading and exams:

The total score grade consists of:

Percentage	Source	Date
40%	Homework	
30%	First Exam	March 8th
30%	Second Exam	April 21st

Note: if there's any disagreement on the score you get for homework / exam, you have *one week of time to appeal* to the instructor after getting your exams back.

All exams are closed-book, however, you may bring one sheet of formula into exams. The sheet can be written on both sides.

The letter grade is tentatively planned as the 10-point scale (90% for an A, 80% for a B, ...), subject to change depending on the final score distribution.

Information on current University of Florida grading policies for assigning grade points is given at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

## Homework:

***No late homework will be accepted***, except for medical reason with the doctor's note.

## Class Attendance and Make-up Exams:

You are expected to attend the class. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

## Students with Disabilities:

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

## **Online Course Evaluation Process:**

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these evaluations are available to students at <https://evaluations.ufl.edu/results/>.