

STAT:3100
Section 0001

Introduction to Mathematical Statistics I
Fall 2018

Lectures MWF 9:30 a.m.– 10:20 a.m., 106 Gilmore Hall
Instructor Aixin Tan, 259 SH, 335-0821, aixin-tan@uiowa.edu
Office Hours (starting week 2) Wed. 1–2:30pm and Thur. 2–3pm, or by appointment

Course Website. I will post announcements, homework problems, lecture notes, and other course information in ICON <http://icon.uiowa.edu>.

Course Description and Objectives. The goal of this course is to introduce the theory of random variables and probability distributions.

Prerequisites. The course prerequisites are the mathematics courses MATH:1860 or MATH:1560, or equivalents: undergraduate calculus.

Textbook. Hogg, Tanis, and Zimmerman (2015). Probability and Statistical Inference, 9th edition, Pearson.

Grading. Your semester grade will consist of the following components:

Homework	15%	
Quizzes	8%	
Midterm Exam 1	22%	week of Sep. 24 (tentative)
Midterm Exam 2	22%	week of Nov. 5 (tentative)
Final Exam	33%	To be determined by the University
Total	100%	

As a **rough** guide, **A,A-** = 90% – 100%, **B+,B,B-** = 80% – 90%, **C+,C,C-** = 70% – 80%, **D+,D,D-** = 60% – 70%.

Quizzes and Exams. Test questions will emphasize examples, key concepts and techniques that are repeatedly mentioned in class as well as encountered in homework problems. All tests will be closed book. The final exam will be comprehensive.

Makeup policy for Quizzes and Exams In case of illness or emergency, contact the instructor in person or by email **prior** to the exam or quiz. Valid and detailed documentation is usually needed for scheduling a makeup exam. Each case will be reviewed individually.

Homework. Generally, homework will be assigned every Friday, and due the next Friday on the desk in the front of the classroom **before class starts**. In case of changes to the schedule, announcements will be made in ICON. Each week, the grader will randomly pick a subset of the assigned problems. Homework need to be stapled and be neatly written (points will be deducted for failing to do so). Late homework is NOT accepted unless the delay is due to “illness, mandatory religious obligations, or other unavoidable circumstances or University activities” and are communicated to the instructor **prior to the deadline**. The lowest one homework score will be dropped.

Attendance is required.

Dept. of Statistics and Actuarial Science 241 SH, <http://www.stat.uiowa.edu>
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Administrative Home The College of Liberal Arts and Sciences (CLAS) is the administrative home of this course and governs its add/drop deadlines, the second-grade-only option, and other policies. These policies vary by college (<https://clas.uiowa.edu/students/handbook>).

Electronic Communication Students are responsible for official correspondences sent to their UI email address (uiowa.edu) and must use this address for all communication within UI (Operations Manual, III.15.2).

Accommodations for Disabilities UI is committed to an educational experience that is accessible to all students. A student may request academic accommodations for a disability (such as mental health, attention, learning, vision, and physical or health-related condition) by registering with Student Disability Services (SDS). The student should then discuss accommodations with the course instructor (<https://sds.studentlife.uiowa.edu/>).

Nondiscrimination in the Classroom UI is committed to making the classroom a respectful and inclusive space for all people irrespective of their gender, sexual, racial, religious or other identities. Toward this goal, students are invited to optionally share their preferred names and pronouns with their instructors and classmates. The University of Iowa prohibits discrimination and harassment against individuals on the basis of race, class, gender, sexual orientation, national origin, and other identity categories set forth in the University's Human Rights policy. For more information, contact the Office of Equal Opportunity and Diversity at diversity@uiowa.edu or diversity.uiowa.edu.

Academic Integrity All undergraduates enrolled in courses offered by CLAS have, in essence, agreed to the College's Code of Academic Honesty. Misconduct is reported to the College, resulting in suspension or other sanctions, with sanctions communicated with the student through the UI email address.

CLAS Final Examination Policies The final exam schedule for each semester is announced around the fifth week of classes; students are responsible for knowing the date, time, and place of a final exam. Students should not make travel plans until knowing this final exam information. No exams of any kind are allowed the week before finals. (<https://clas.uiowa.edu/faculty/teaching-policies-resources-examination-policies>.)

Making a Complaint Students with a complaint should first visit with the instructor or course supervisor and then with the departmental executive officer (DEO), also known as the Chair. Students may then bring the concern to CLAS (<https://clas.uiowa.edu/students/handbook/student-rights-responsibilities>).

Understanding Sexual Harassment Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community must uphold the UI mission and contribute to a safe environment that enhances learning. Incidents of sexual harassment must be reported immediately. For assistance, definitions, and the full University policy, see <https://osmrc.uiowa.edu/>.