Meeting Time  MWF 1:30 p.m.– 2:20 p.m.
Live lectures via Zoom

Our course will meet virtually only. Short quizzes are given bi-weekly during lectures. Zoom links are added to our ICON.

Instructor    Lan Luo, 205 SH, 206-384-6535, lan-luo@uiowa.edu
Office Hours  MWF 2:20 p.m.– 3:10 p.m. or by appointment
Grader  Zhen Wang, zhen-wang-1@uiowa.edu
Office hours will be held virtually on Zoom right after the virtual class.

Please note that all UI courses will be delivered virtually after Thanksgiving Recess. This class will continue to meet via Zoom, starting on November 30.

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

Course Description and Objectives.
This is a course in mathematical statistics intended for upper-level undergraduate students in the mathematical sciences as well as for graduate students in all disciplines. The goal is to provide a solid foundation in the theory of random variables and probability distributions.

Prerequisites. The course prerequisites are the mathematics courses MATH:2700 and MATH:2850.

Textbook. Introduction to Mathematical Statistics (8th ed.) Hogg, McKean and Craig, (Prentice Hall). We will cover chapters 1-2 and part of chapter 3.

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>30%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Midterm Exam 1</td>
<td>30%</td>
</tr>
<tr>
<td>Midterm Exam 2</td>
<td>30%</td>
</tr>
<tr>
<td>No Final Exam</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100%</td>
</tr>
</tbody>
</table>

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. Quizzes will be frequent and brief. They will emphasize examples and key concepts repeatedly mentioned in class as well as homework problems. The first
midterm will focus on Chapter 1 and the second one will be mostly related to Chapter 2.

**Homework.** Homework will be posted on Fridays and due by Fridays next week. Only electronic versions will be collected. Please be considerate to your grader and try to submit clear and readable scans of your homework. Questions from the homework might appear on quizzes and exams.

**Attendance is required.**

**Dept. of Statistics and Actuarial Science** 241 SH, http://www.stat.uiowa.edu Prof. Chan, DEO, kung-sik-chan@uiowa.edu

College of Liberal Arts and Sciences: Policies and Procedures

**Absences and Attendance.** Students are responsible for attending class and for contributing to the learning environment of a course. Students are also responsible for knowing their course absence policies, which will vary by instructor. All absence policies, however, must uphold the UI policy related to student illness, mandatory religious obligations, including Holy Day obligations, military service obligations, unavoidable circumstances or University authorized activities. Students may use the CLAS absence form to aid communication with the instructor who will decide if the absence is excused or unexcused. The form is on ICON in the top banner under "Student Tools." More information is at [https://clas.uiowa.edu/students/handbook/attendance-absences](https://clas.uiowa.edu/students/handbook/attendance-absences).

**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 UI email. Visit this page for information: [https://clas.uiowa.edu/students/handbook/academic-fraud-honor-code](https://clas.uiowa.edu/students/handbook/academic-fraud-honor-code).

**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 is then responsible for discussing specific accommodations with the instructor. More information is at [https://sds.studentlife.uiowa.edu/](https://sds.studentlife.uiowa.edu/)

**Administrative Home of the Course.** 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 related policies. Other colleges may have different policies. CLAS policies may be found here: [https://clas.uiowa.edu/students/handbook](https://clas.uiowa.edu/students/handbook).

**Class Behavioral Expectations.** Students are expected to comply with University policies regarding appropriate classroom behavior as outlined in the Code of Student Life. This includes the policies and procedures that all students have agreed to regarding the Steps Forward for Fall 2020 in response to the COVID-19 pandemic. Particularly, all students are required
to wear a face covering when in a UI building, including a classroom. In addition, the
density of seats in classrooms has been reduced; in some instances, this will allow 6 feet or more
between students while other cases, it may be less. Regardless, wearing a face covering and
maintaining as much distance as possible are vital to slowing the spread of COVID-19. In
the event that a student disrupts the classroom environment through their failure to comply
with the reasonable directive of an instructor or the University, the instructor has the authority
to ask that the student immediately leave the space for the remainder of the class period.
Additionally, the instructor is asked to report the incident to the Office of Student Accountability
for the possibility of additional follow-up. Students who need a temporary alternative
learning arrangement related to COVID-19 expectations should contact Student Disability Services
arrangements/; +1 319 335-1462, https://sds.studentlife.uiowa.edu/fall-2020/
covid-19-temporary-learning-arrangements/.

Class Recordings: Privacy and Sharing. Some sessions of a course could be recorded or
live-streamed. Such a recording or streaming will only be available to students registered for
the course. These recordings are the intellectual property of the faculty, and they may not be
shared or reproduced without the explicit written consent of the faculty member. Students may
not share these sessions with those not in the class; likewise, students may not upload recordings
to any other online environment. Doing so is a breach of the Code of Student Conduct and, in
some cases, a violation of the Federal Education Rights and Privacy Act (FERPA). Communication
and the Required Use of UI Email Students are responsible for official correspondences
sent to the UI email address (uiowa.edu) and must use this address for all communication within
UI (Operations Manual, III.15.2).

Complaints. Students with a complaint about an academic issue should first visit with the
instructor or course supervisor and then with the Chair of the department or program
offering the course; students may next bring the issue to the College of Liberal Arts and Sciences;
see this page for more information: https://clas.uiowa.edu/students/handbook/
student-rights-responsibilities.

Final Examination Policies. The final exam schedule is announced around the fifth week
of classes; students are responsible for knowing the date, time, and location of a final exam.
Students should not make travel plans until knowing this information. No exams of any kind
are allowed the week before finals with very few exceptions made (for labs, ESL and some world
language courses, and off-cycle courses):

Nondiscrimination in the Classroom The University of Iowa is committed to making the
classroom a respectful and inclusive space for people of all gender, sexual, racial, religious,
and other identities. Toward this goal, students are invited in MyUI to optionally share the
names and pronouns they would like their instructors and advisors to use to address them. 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 https://diversity.uiowa.edu/eod +1 319 335-0705 or (diversity.uiowa.edu).
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, please see https://osmrc.uiowa.edu/