

Course Information for STAT:3101
“Introduction to Mathematical Statistics II”
Spring 2024

Instructor

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Department Executive Officer

Professor Kung-Sik Chan, 241 SH, Phone 335-0712, kung-sik-chan@uiowa.edu

Dr. Zimmerman’s Office Hours

1:00 pm – 3:00 pm TTh, or by appointment

Class Meetings

9:30 – 10:20 am MWF, 106 GILH

Textbook

The required textbook for this course is *Probability and Statistical Inference*, 9th edition, by Robert Hogg, Elliott Tanis, and Dale Zimmerman (yours truly). We will pick up in Chapter 5 where STAT:3100 left off, and cover most of Chapters 6-9. Reading assignments from the text will be made at the beginning of most class meetings. Bringing your textbook to class is advised.

Course Prerequisites

A good, year-long course in calculus, including multivariable calculus; and STAT:3100.

Course Objective

To learn the theory and practice of making statistical inferences from data.

Tutors

A list of independent tutors can be found at
<http://www.stat.uiowa.edu/courses/tutors.html>

Students with Disabilities:

I would like to hear from anyone who has a disability that may require some modification of seating, testing, or other class requirements so that appropriate arrangements can be made. Please see me about this as soon as possible.

Exams

There will be two 50-minute midterm exams, given in class. These are scheduled for February 21 and April 3, 2024. The time (and place) of the final exam will be announced later. Each exam, including the final, will test over only the material covered since the previous exam. All exams will be “closed book.” Calculators may be used for exams, and any necessary statistical tables will be provided. If an exam is missed, a make-up exam will be permitted only if the circumstances of missing the exam satisfy university policies.

Homework

Written homework assignments are an essential component of the course. Assignments will be given in class and posted on Dr. Z’s webpage every Friday, and will be due the following Friday at the beginning of the class period. Unless prior arrangements are made, late homework will receive a score no higher than 50%. I do not mind if you work on homework problems together, and I encourage you to come to me for hints if you are stuck. However, you should first attempt to do the problems on your own, and you must write the solutions on your own rather than copying the work of others. Do not merely write down numerical answers, but clearly show step-by-step how you obtained your answers. Please use standard 8.5”×11” ruled paper, and staple multiple pages together. Also note: I will not accept homework by e-mail, unless (a) you are absent on the day it is to be handed in, and (b) the circumstances of your absence satisfy university policies for an excused absence.

Attendance

Attendance at lectures is mandatory. Frequently coming to class late, leaving early, or being absent will lower your grade.

Grading

- Homework and Attendance, 20%
- Midterm Exams, 50% (25% each)
- Final Exam, 30%

Your grade for the course will be assigned according to following approximate scale:

Course percentage	Grade
[88, 100]	A
[75, 88)	B
[60, 75)	C
[50, 60)	D
[0, 50)	F

This is not an absolute scale. The cutoff points may vary depending on the difficulty of the exams, and percentages near the borderlines may receive a + or –.

Various Policy Statements

Course policies are governed by the College of Liberal Arts and Sciences. University policies regarding Student Rights and Responsibilities can be found at

http://www.clas.uiowa.edu/students/academic_handbook/.

Administrative Home

The College of Liberal Arts and Sciences is the administrative home of this course and governs matters such as the add/drop deadlines, the second-grade-only option, and other related issues. Different colleges may have different policies. Questions may be addressed to 120 Schaeffer Hall or see the CLAS Student Academic Handbook

http://www.clas.uiowa.edu/students/academic_handbook/index.shtml

Electronic Communication

University policy specifies that students are responsible for all official correspondences sent to their standard University of Iowa e-mail address (@uiowa.edu). Students should check this account frequently. (Operations Manual, III.15.2. Scroll down to k.11.)

Academic Fraud

Plagiarism and any other activities when students present work that is not their own are academic fraud. Academic fraud is a serious matter and is reported to the departmental DEO and to the Associate Dean for Undergraduate Programs and Curriculum. Instructors and DEOs decide on appropriate consequences at the departmental level while the Associate Dean enforces additional consequences at the collegiate level. See the CLAS Student Academic Handbook.

Making a Suggestion or a Complaint

Students with a suggestion or complaint should first visit the instructor, then the course supervisor, and then the departmental DEO. Complaints must be made within six months of the incident. See the CLAS Student Academic Handbook.

Accommodations for Students with Disabilities

The University of Iowa is committed to providing an educational experience that is accessible to all students. A student may request academic accommodations for a disability (which include but are not limited to mental health, attention, learning, vision, and physical or health-related conditions). A student seeking academic accommodations should first register with Student Disability Services and then meet with the course instructor privately in the instructor's office to make particular arrangements. Reasonable accommodations are established through an interactive process between the student, instructor, and SDS. See <http://sds.studentlife.uiowa.edu/> for more information.

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 have a responsibility to uphold this mission and to contribute to a safe environment that enhances learning. Incidents of sexual harassment should be reported immediately. See the UI Comprehensive Guide on Sexual Harassment at

<http://www.uiowa.edu/~eod/policies/sexual-harassment-guide/index.html>
for assistance, definitions, and the full University policy.

Reacting Safely to Severe Weather

In severe weather, class members should seek appropriate shelter immediately, leaving the classroom if necessary. The class will continue if possible when the event is over. For more information on Hawk Alert and the siren warning system, visit the Public Safety web site,

<http://www.uiowa.edu/~pubsfty/intlinks.htm>

Nondiscrimination in the Classroom

The University of Iowa 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. Expressions of hate and bigotry directed at individuals or identities are not acceptable. For more information, contact the Office of Equal Opportunity and Diversity, diversity@uiowa.edu or visit diversity.uiowa.edu.