

**Course Information for STAT:3101**  
**“Introduction to Mathematical Statistics II”**  
**Spring 2025**

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

8:30 – 9:20 am MWF, 106 GILH, except there will be **NO CLASS ON THE FOLLOWING THREE FRIDAYS: FEBRUARY 28, MARCH 14, APRIL 11** (as recompense for the **2 90-minute night exams**).

Textbook

The required textbook for this course is *Probability and Statistical Inference*, 10th 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 and will also be posted on Dr. Z’s webpage. It is absolutely expected that you complete the reading assignments.

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.

Attendance

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

## Homework

Written homework assignments are an essential component of the course. Assignments will be posted on ICON every Friday, and will be due the following Friday at the beginning of the class period. No late homework will be accepted, unless there are mitigating circumstances and arrangements are made in advance of the homework due date. 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: with the lone exception of March 14, 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. Also, you must attend class to turn in homework (you cannot have a classmate turn it in for you) unless the circumstances of your absence satisfy university policies for an excused absence. Each student may drop their two lowest homework scores during the semester, including ones that you fail to turn in in accordance with the aforementioned policies.

## Exams

There will be two 90-minute evening midterm exams, scheduled for 6:30-8:00 pm on February 27 and April 10, 2025, in SHAM LIB. 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. The two midterm exams will be "closed book," but a formula sheet will be provided by Dr. Z. The formula sheet will be posted on ICON at least 3 days prior to each exam, so that there are no surprises. The final exam will be "open book," so no formula sheet will be provided for it. Also, a practice exam and solutions will be posted on ICON at least 3 days prior to each of the three exams. 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. Make-up exam times will be scheduled at the discretion of Dr. Z, and make-up exams will not be returned to students (although students can look at them in Dr. Z's office).

## Grading

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

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

Course percentage	Grade
[87, 100]	A
[74, 87)	B
[60, 74)	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/](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](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.

### 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](mailto:diversity@uiowa.edu) or visit [diversity.uiowa.edu](http://diversity.uiowa.edu).

### Accommodations for Students with Disabilities (<https://provost.uiowa.edu/course-syllabi-information#accommodations-for-students-with-disabilities>)

The University is committed to providing an educational experience that is accessible to

all students. If a student has a diagnosed disability or other disabling condition that may impact the student's ability to complete the course requirements as stated in the syllabus, the student may seek accommodations through Student Disability Services (SDS). SDS is responsible for making Letters of Accommodation (LOA) available to the student. The student must provide an LOA to the instructor as early in the semester as possible, but requests not made at least two weeks prior to the scheduled activity for which an accommodation is sought may not be accommodated. The LOA will specify what reasonable course accommodations the student is eligible for and those the instructor should provide.

Free Speech and Expression (<https://provost.uiowa.edu/course-syllabi-information#free-speech-and-expression>)

Absences for Holy Days (<https://opsmanual.uiowa.edu/students/absences-class#8.2>)

Classroom Expectations (<https://provost.uiowa.edu/course-syllabi-information#classroom-expectations>)

Non-discrimination (<https://provost.uiowa.edu/course-syllabi-information#non-discrimination-statement>)

Sexual Harassment/Misconduct and Supportive Measures (<https://provost.uiowa.edu/course-syllabi-information#sexual-harassment-sexual-misconduct-and-supportive-measures>)