



**STAT:1020:EXW | Summer 2025**  
**Elementary Statistics and Inference**

<p><b>Course Instructor</b></p> <p>Anh Nguyen  <b>Campus Address:</b> 267 SH  <b>Phone:</b> (763) 248-2061  <b>Email:</b> <a href="mailto:phuonganh-nguyen@uiowa.edu">phuonganh-nguyen@uiowa.edu</a>  <b>Office Hours:</b> T.B.D via Zoom (<i>Zoom link can be found on ICON</i>)</p> <p><b>Class Meeting Times</b></p> <p>This course will meet online via Zoom (Virtual Classroom) <b>12:30 - 2:15 p.m. MTWTh</b></p>	<p><b>Department</b></p> <p>Department of Statistics and Actuarial Science,  241 SH  <b>DEO:</b> Dr. Kung-Sik Chan  <b>Phone:</b> (319) 335-2849  <b>Email:</b> <a href="mailto:kung-sik-chan@uiowa.edu">kung-sik-chan@uiowa.edu</a></p> <p><b>Course Supervisor</b></p> <p>Dr. Kung-Sik Chan  <b>Email:</b> <a href="mailto:kung-sik-chan@uiowa.edu">kung-sik-chan@uiowa.edu</a></p>
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**Course Description and Objectives**

The main objective of this course is to introduce students to basic statistical concepts for summarizing, analyzing and presenting data. Main topics include regression, prediction, probability, estimation, and tests of significance.

This course is approved for the General Education in the Quantitative or Formal Reasoning requirement. Courses approved in this area have as their primary purpose the development of the analytical powers of the student as they might be exercised in the presentation and evaluation of mathematical or other formal symbolic systems.

**Required Textbook**

The **required textbook(s)** for this course is:

- The Basic Practice of Statistics (edition: 9th); available via ICON-Direct
- Author: Moore, Notz, Fligner
- Publisher: Macmillan Learning

**Course Website**

Course materials such as syllabus, lecture notes, homework assignments, practice problems, supplementary materials, grades, etc. will be posted on [ICON](#).

**Pre-requisites**

MATH:0100, MATH:1005 or equivalent. Students should be comfortable with math at the level of elementary algebra (e.g., equation of a straight line, plotting points, percentages, powers and square roots).

## Software and Calculator

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Demonstrations in this course will be done with *Microsoft Excel*. A calculator is not required, but is recommended.

## Grading System

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This course will use the +/- grading system. Final course grades will be assigned as follows: A to A- = 100 – 90% ; B+ to B- = 89 – 80%; C+ to C- = 79 – 70%; D+ to D- = 69 – 60%; F = below 60%

The instructor reserves the right to lower the cutoff points depending on the instructor’s assessment of class and individual performance. The A+ grade is used only in extraordinary situations.

## Course Grades

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Graded Item	% of final grade
Homework	20%
Attendance	5%
Midterm 1	25%
Midterm 2	25%
Final Exam	25%

**Homework:** In general, two homework assignments will be assigned each week, and will be due on Tuesdays and Thursdays in the form of a Word document, PDF, or similar. You may also submit scans of clear hand-written solutions. No late submission will be allowed. The lowest homework score will be dropped to cover all extraordinary situations like medical emergencies, etc.

**Exams:** There will be two midterm exams and one final exam scheduled on the dates listed in the tentative course schedule below. All exams will be proctored virtually via Zoom, and you may be required to record your entire screen during the exam. Exams are open note and open book, meaning you can use your course materials during the exam. You may NOT collaborate with other students or individuals (including tutors, friends, AI, and online message boards such as Stack and Chegg) on exams. Failure to comply with this policy will result in a score of 0 on the exam.

**Make-Ups:** There will be NO make-up exams given except in extraordinary circumstances.

**Grading:** Questions about grading must be asked within two class days of the graded work’s return.

**Attendance:** Attendance will be taken once a week on a random day. You will get one free pass.

## Tentative Course Schedule

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Week	Lecture Notes	Assignment	Due Date
1	Unit 1	HW1	5/22

2	Unit 2	HW2	5/27
	Unit 3	<b>Midterm 1</b>	5/29 (12:30 - 2:15 pm)
3	Unit 4	HW3	6/3
		HW4	6/5
4	Unit 5	HW5	6/10
		<b>Midterm 2</b>	6/12 (12:30 - 2:15 pm)
5	Unit 6	HW6	6/17
		HW7	6/19
6	Unit 7	HW8	6/24
		<b>Final Exam</b>	6/26 (10:00 am - 12:00 pm)

## **Course Policy**

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Students taking Distance and Online Education courses at the University of Iowa are entitled and held to the same student rights and responsibilities as on campus students; see Distance and Online Education Academic Policies. The following policies apply to students registered in this online course.

**Communications:** Students can expect to receive weekly communications from the instructor (via course “Announcements”). You can expect to receive responses to your inquiries within 24-48 hours.

**Classroom Expectations:** Students are expected to comply with University policies regarding appropriate classroom behavior as outlined in the Code of Student Life. While students have the right to express themselves and participate freely in class, it is expected that students will behave with the same level of courtesy and respect in the virtual class setting (whether asynchronous or synchronous) as they would in an in-person classroom. Failure to follow behavior expectations as outlined in the Code of Student Life may be addressed by the instructor and may also result in discipline under the Code of Student Life policies governing E.5 Disruptive Behavior or E.6 Failure to Comply with University Directive.

**Netiquette:** The term “netiquette” refers to the do’s and don’ts of online communication. As it applies to this online course, it is our expectation that you will communicate effectively and respectfully with each other, the instructors, and our guest speakers. [Follow this link to learn more about The Core Rules of Netiquette.](#)

**Sharing of Course Recordings (if appropriate):** Some of the sessions in this course will be recorded or live-streamed. Such recordings/streaming will only be available to students registered for this class. 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. Further, students may not share these sessions with those not in the class or upload them to any other online environment. Doing so would be a breach of the Code of Student Conduct, and, in some cases, a violation of state and federal law, including the Federal Education Rights and Privacy Act (FERPA).

## College Policies

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**Administrative Home of the Course:** The administrative home of this course is the College of Liberal Arts and Sciences, which governs academic matters relating to the course such as the add/drop deadlines, the second-grade-only option, issues concerning academic fraud or academic probation, and how credits are applied for various graduation requirements. Different colleges might have different policies. If you have questions about these or other CLAS policies, contact your academic advisor or the Office of Academic Programs and Student Development, 120 Schaeffer Hall, (319) 335-2633, [clasps@uiowa.edu](mailto:clasps@uiowa.edu). The CLAS Academic Policies Handbook also contains important CLAS academic policy: <http://clas.uiowa.edu/students/handbook>.

**Academic Misconduct:** All forms of plagiarism and any other activities that result in a student presenting work that is not his or her own are academic fraud. All academic fraud is reported to the departmental DEO and then to the Associate Dean for the Office of Academic Programs and Student Development. All incidents of academic misconduct (plagiarism and cheating) will be subject to the rules and regulations of the College of Liberal Arts and Sciences as defined and stated in section IX of the Academic Policies Handbook (<http://clas.uiowa.edu/students/handbook>).

**Complaint Procedures:** If at any time you have concerns about this class or your performance in it, please do not hesitate to contact me. If you do not feel that your concern has been resolved satisfactorily, you may contact the Department Chair (contact information provided at the top of page one of this syllabus). If you still do not feel that your concern has been resolved satisfactorily, you may contact the College of Liberal Arts and Sciences Office of Academic Programs and Student Development, 120 Schaeffer Hall, (319) 335-2633, [clasps@uiowa.edu](mailto:clasps@uiowa.edu). All complaints must be made within six months of the incident. The College's complaint procedures are in section IX of the Academic Policies Handbook (<http://clas.uiowa.edu/students/handbook>).

## University Policies

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**Statement on Diversity:** The University of Iowa values diversity among students, faculty, and staff, and regards equal employment opportunity and affirmative action as tools to achieve diversity. The University believes that a rich diversity of people and the many points of view they bring serve to enhance the quality of the educational experience at The University of Iowa.

**Free Speech and Expression:** The University of Iowa supports and upholds the First Amendment protection of freedom of speech and the principles of academic and artistic freedom. We are committed to open inquiry, vigorous debate, and creative expression inside and outside of the classroom. Visit the Free Speech at Iowa website for more information on the university's policies on free speech and academic freedom.

**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 a 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. Additional information can be found on the SDS website.

**Absences for Religious Holy Days:** The University is prepared to make reasonable accommodations for students whose religious holy days coincide with their classroom assignments, test schedules, and classroom attendance expectations. Students must notify their instructors in writing of any such Religious Holy Day conflicts or absences within the first few days of the semester or session, and no later than the third week of the semester. If the conflict or absence will occur within the first three weeks of the semester, the student should notify the instructor as soon as possible. See Operations Manual 8.2 Absences for Religious Holy Days for additional information.

**Mental Health:** Students are encouraged to be mindful of their mental health and seek help as a preventive measure or if feeling overwhelmed and/or struggling to meet course expectations. Students are encouraged to talk to their instructor for assistance with specific class-related concerns. For additional support and counseling, students are encouraged to contact University Counseling Service (UCS). Information about UCS, including resources and how to schedule an appointment, can be found at [counseling.uiowa.edu](http://counseling.uiowa.edu). Find out more about UI mental health services at: [mentalhealth.uiowa.edu](http://mentalhealth.uiowa.edu).

**Basic Needs and Support for Students:** Student Care & Assistance provides assistance to University of Iowa students experiencing a variety of crisis and emergency situations, including but not limited to medical issues, family emergencies, unexpected challenges, and sourcing basic needs such as food and shelter. More information on the resources related to basic needs can be found at: [basicneeds.uiowa.edu/resources/](http://basicneeds.uiowa.edu/resources/). Students are encouraged to contact Student Care & Assistance in the Office of the Dean of Students (Room 135 IMU, [dos-assistance@uiowa.edu](mailto:dos-assistance@uiowa.edu), or 319-335-1162) for support and assistance with resources.

**Sexual Harassment/Sexual Misconduct and Supportive Measures:** The University of Iowa prohibits all forms of sexual harassment, sexual misconduct, and related retaliation. The Policy on Sexual Harassment and Sexual Misconduct governs actions by students, faculty, staff and visitors. Incidents of sexual harassment or sexual misconduct can be reported to the Title IX and Gender Equity Office or to the Department of Public Safety. Students impacted by sexual harassment or sexual misconduct may be eligible for academic supportive measures and can learn more by contacting the Title IX and Gender Equity Office. Information about confidential resources can be found here. Watch the video for an explanation of these resources.

**Non-Discrimination Statement:** The University of Iowa prohibits discrimination in employment, educational programs, and activities on the basis of race, creed, color, religion, national origin, age, sex, pregnancy, disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, associational preferences, or any other classification that deprives the person of consideration as an individual. The university also affirms its commitment to providing equal opportunities and equal access to university facilities. For additional information on nondiscrimination policies, contact the Director, Office of Institutional Equity, the University of Iowa, 202 Jessup Hall, Iowa City, IA 52242-1316, 319-335-0705, [oie-ui@uiowa.edu](mailto:oie-ui@uiowa.edu). Students may share their pronouns and chosen/preferred names in MyUI, which is accessible to instructors and advisors.