

Stat 3100 (Fall 2019): Syllabus Last update: August 24, 2019 1

Stat 3100:0001: Introduction to Mathematical Statistics

Lecture location: 301 Van Allen Hall

Lecture times: MWF 8:30–9:20 AM

Instructor: Milan Stehlik

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Grader: Haiyang Zhu

Office: Schaeffer Hall

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DEO: Dr. Kung-Sik Chan, 241 Schaeffer Hall, 319-335-0712

Prerequisites: Math 1860 or 1560

Course description: This course is the first of a two-semester sequence designed to introduce students to mathematical statistics. The following topics will be covered this fall: basic probability, discrete distributions, continuous distributions, bivariate distributions, and functions of random variables. These topics roughly correspond to chapters 1 - 5 of the textbook. This is a mathematical course. There will occasionally be software demonstrations in class, but no computing is required.

Text: The required textbook for this class is: Hogg, Tanis, and Zimmerman (2015). *Probability and Statistical Inference, 9th or 10th edition*, Pearson.

Course webpage: ICON (<http://icon.uiowa.edu>) has course information, notes, assignments, solutions, exam preparation materials, and access to grades.

Assessment: Your final course grade is computed based on the following proportions:

- 20% Homework
- 10% Participation & in-class assignments
- 40% Two in-semester exams
- 30% Final exam

Homework: Ten homework assignments will be assigned throughout the semester. Homework is due at the beginning of lecture on the due date. Late homework submissions will **not** be accepted unless permission to turn in the homework late has been granted by the instructor prior to the due date. Such permission will be given at the discretion of the instructor and will only be given in extraordinary circumstances. The worst homework will be dropped. Homework is to be completed and submitted individually. Group work is encouraged but all answers must be unique to the student. Submission must be in hard copy form (printed + stapled). No electronic homework submissions allowed.

Participation & in-class assignments: Approximately five in-class assignments and/or pop quizzes will be given during the semester. You must be in class to receive credit for an in-class assignment. One in-class assignment grades will be dropped. Additional exemptions for university-excused absences may be granted at the discretion of the instructor. Exemptions for absences not excused by the University will only be granted under extraordinary circumstances. Exemption requests should be made as early as possible and must be made prior to the date of absence. Attendance will be monitored.

In-semester exams: There will be two in-semester exams, each of the two worth 20% of your final course grade. The tentative dates for these exams are September 27 (Friday), November 4 (Monday), but these dates are subject to change. The changes, if any, will be announced at least one week before the exam dates. Each exam is 50 minutes, completed in lecture. There will be no make-up exams.

Final exam: The University has tentatively set the final exam on TBD. The final exam is cumulative and may not be taken early under any circumstances.

Email Etiquette: I will do my best to answer email questions within 24 hours. Here are a few suggestions to ensure I answer your email:

- Check the syllabus/announcements/slides before emailing; try to figure things out yourself first.
- Start your email by addressing me (Dear Dr. Stehlik).
- Be clear and concise.
- Use correct spelling and proper grammar.
- Be polite when making requests - do not make demands.
- End your email with a closing and your name.

Dates of Interest:

August 26: First day of class

September 27: Exam 1

November 4: Exam 2

TBD: Final exam

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/>.