Meeting Time  MWF 8:30–9:20 a.m. 14 SH
Instructor    Dr. Aixin Tan, 259 SH, 335-0821, aixin-tan@uiowa.edu
Dr. Tan’s Office Hours MWF 11:30am–12:15pm, or by appointment
Teaching Assistant Yan Shen yan-shen@uiowa.edu
Yan’s Office Hours TBD

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 course is a continuation of STAT:4100. It is intended for upper-level undergraduate students in the mathematical sciences as well as for graduate students in all disciplines. The goal is to give students a solid foundation in the theory and methods of statistical inference. Main topics include convergence in distribution and convergence in probability, point estimation, confidence intervals, and testing of statistical hypotheses.

Prerequisites. STAT:4100


Optional reading. For students looking for additional learning materials, consider All of Statistics: A Concise Course in Statistical Inference by Larry Wasserman. (On course reserve at the UI main library.)

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>13%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>8%</td>
</tr>
<tr>
<td>Midterm Exam 1</td>
<td>22%</td>
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<tr>
<td>Midterm Exam 2</td>
<td>22%</td>
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<tr>
<td>Final Exam</td>
<td>35%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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As a rough guide, A,A-= 90% – 100%, B+,B,B-= 80% – 90%, C+,C,C-= 70% – 80%.

Quizzes and Exams. Quizzes will be brief and emphasize examples and key concepts repeatedly mentioned in class as well as homework problems. All exams will be closed book. The final exam will be comprehensive.

Attendance is required.

Prof. Chan, DEO, kung-sik-chan@uiowa.edu, 335-0712.
Mental Health Resources and Student Support
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. Find out more about UI mental health services at mentalhealth.uiowa.edu.

Student Care and Assistance provides assistance to University of Iowa students who are 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. Students are encouraged to contact Student Care & Assistance in the Office of the Dean of Students (Room 135 IMU, dos-assistance@uiowa.edu, or 319-335-1162) for support and assistance with resources.

Accommodations for Students with Disabilities The University is committed to providing an educational experience that is accessible to all. 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. 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. Additional information can be found on the SDS website.

Free Speech and Expression
https://provost.uiowa.edu/teaching-resources/course-syllabi-information#free-speech-and-expression

Absences for Religious Holy Days https://opsmanual.uiowa.edu/students/absences-class#8.2

Classroom Expectations
https://provost.uiowa.edu/teaching-resources/course-syllabi-information#classroom-expectations

Non-discrimination
https://provost.uiowa.edu/teaching-resources/course-syllabi-information#non-discrimination-statement

Sexual Harassment/Misconduct and Supportive Measures
https://provost.uiowa.edu/teaching-resources/course-syllabi-information#sexual-harassment–sexual-misconduct-and-supportive-measures

Sharing of Class Recordings (if applicable)
https://provost.uiowa.edu/teaching-resources/course-syllabi-information#sharing-of-class-recordings-if-appropriate