STAT:4101 (22S:154) Mathematical Statistics
Section 0001 Spring 2015

Meeting Time MWF 8:30–9:20 a.m.
14 SH

Instructor Aixin Tan, 259 SH, 335-0821, `aixin-tan@uiowa.edu`
Office Hours MWF 9:25 – 10:15 a.m. or by appointment

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 22S:153. 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. STA4100 (22S:153).

Textbook. Introduction to Mathematical Statistics (6th or 7th ed.) Hogg, McKean and Craig, (Prentice Hall). We will start from chapter 4 and cover through chapter 8.
Grading. Your semester grade will consist of the following components:

Homework	12%	
Quizzes	9%	
Midterm Exam 1	22%	week of Feb. 22 (tentative)
Midterm Exam 2	22%	week of Apr. 6 (tentative)
Final Exam	35%	TBD by the University.
Total	100%	

As a **rough** guide, **A,A-**= 90% − 100%, **B+,B,B-**= 80% − 90%, **C+,C,C-**= 70% − 80%, **D+,D,D-**= 60% − 70% .

Quizzes and Exams. Quizzes will be brief. They will 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.

Dept. of Statistics and Actuarial Science 241 SH, `http://www.stat.uiowa.edu`
Prof. Lang, DEO, 335-0712, `joseph-lang@uiowa.edu`

College of Liberal Arts and Sciences: Policies and Procedures

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.

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

Accommodations for Disabilities. A student seeking academic accommodations should first register with Student Disability Services and then meet privately with the course instructor to make particular arrangements. See `www.uiowa.edu/~sds/` for more information.

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 Academic Fraud section of the Student Academic Handbook.

CLAS Final Examination Policies. Final exams may be offered only during finals week. No exams of any kind are allowed during the last week of classes. Students should not ask their instructor to reschedule a final exam since the College does not permit rescheduling of a final exam once the semester has begun. Questions should be addressed to the Associate Dean for Undergraduate Programs and Curriculum.

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.

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 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.