

## Course Information for STAT:5100 (22S:193) Statistical Inference I

Semester: Fall 2014

Lectures: MWF 10:30–11:20

Room: 14 Shaeffer Hall

Instructor: Luke Tierney, Schaeffer 241, [luke-tierney@uiowa.edu](mailto:luke-tierney@uiowa.edu).  
 Office Hours: MWF 9:30 – 10:20 or by appointment.  
 Grader: Ziqian Zhou, [ziqian-zhou@uiowa.edu](mailto:ziqian-zhou@uiowa.edu)  
 Web Page: <http://www.stat.uiowa.edu/~luke/classes/193>  
 DEO: Luke Tierney, 241 SH, 335-0712  
 Text: G. CASELLA AND R. L. BERGER (2002), *Statistical Inference*, 2nd Edition, Pacific Grove, CA: Duxbury.  
 Other References: BICKEL, P. J. AND DOKSUM, K. A. (2006). *Mathematical Statistics: Basic Ideas and Selected Topics, Vol. I*, 2nd Edition, Prentice Hall.  
 DEGROOT, M. H. AND SCHERVISH, M. J. (2011). *Probability and Statistics*, 4th Edition, Pearson Addison Wesley.  
 HOGG, R. V., MCKEAN, J. W., AND CRAIG, A. T. (2004). *Introduction to Mathematical Statistics*, 6th Edition, Pearson Education.  
 LINDGREN, B. W. (1993). *Statistical Theory*, 4th ed., New York, NY: Chapman & Hall.  
 ROSS, S. M. (2009). *A First Course in Probability*, 8th ed., New York : Macmillan.

**Outline**

The first semester of this two-semester sequence will cover roughly Chapters 1–5 of Casella and Berger. The second semester corresponds roughly to chapters 6–12.

**Reading and Homework**

Reading assignments for each day will be placed on the web a few days in advance. You should read the assigned material *before* coming to class. Typically two or three problems will be assigned each class. The problems are usually due at the beginning of class the Monday after they are assigned. The assignments and due dates will be posted on the Web.

**Exams and Grading**

There will be two midterm exams, tentatively scheduled for the class periods on Friday, September 26 and Friday, November 7. The final exam schedule will be announced during the semester. The final grade will be determined 30% by the homework, 40% by the midterm exams, and 30% by the final exam. The lowest 25% of homework scores will be dropped before computing the final homework grade. Grades may be made available on ICON.

You may discuss general issues and approaches for your homework with your fellow students, but your work must be your own. If you use any references, including solutions to similar problems prepared by other students, you *must* cite and credit your sources.

Late homework and missed exams cannot be made up, except as required by University policies (illness, mandatory religious obligations, and other unavoidable University obligations—*University Operations Manual*, 50.021).

**Email and World Wide Web**

Announcements on changes or clarifications of assignments or other matters may be sent by email or posted on the class web page. You should check your email and the class home page regularly.

## **College of Liberal Arts and Sciences: Policies and Procedures**

### Administrative Home of the Course

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/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/](http://www.uiowa.edu/~sds/) for more information.

### Academic Honesty

All CLAS students or students taking classes offered by CLAS have, in essence, agreed to the CLAS Code of Academic Honesty: "I pledge to do my own academic work and to excel to the best of my abilities, upholding the IOWA Challenge. I promise not to lie about my academic work, to cheat, or to steal the words or ideas of others; nor will I help fellow students to violate the Code of Academic Honesty." Any student committing academic misconduct is reported to the College and placed on disciplinary probation or may be suspended or expelled (CLAS Academic Policies 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.