

COURSE INFORMATION FOR 22S:193

Statistical Inference I

Autumn 2007

- INSTRUCTOR** Richard Dykstra
217 Schaeffer Hall
Phone: 335-2847 (Home Phone 354-1812)
e-mail: dykstra@stat.uiowa.edu or richard-dykstra@uiowa.edu
- OFFICE HOURS** Monday, Wednesday, Friday, 2:00-3:00 (or by appointment)
- DEPARTMENT INFORMATION** Department of Statistics and Actuarial Science
241 Schaeffer Hall
Phone: 335-0706
- DEPARTMENT EXECUTIVE OFFICER** Luke Tierney, 241 Schaeffer Hall
luke-tierney@uiowa.edu
Phone: 335-0712
- PREREQUISITES** 22S:130 and 22S:131 or equivalents.
- TEXT** The text for this course will be "Statistical Inference", by George Casella and Roger Berger, Second Edition and is available in the University Bookstore. The publisher is Wadsworth and Brooks/Cole. Additional references and reading material will be provided during the semester.
- EXAMS** There will be one two-hour midterm exam. This will be given in late October. There will be a two-hour final exam given during finals week. Quizzes will also be given from time to time.
- HOMEWORK** Written assignments are an essential element of the course, and will be expected of the students. Assignments will generally consist of 6-12 problems collected each Friday. Assignments must be turned in at the beginning of class on the day they are due. Late homework will be accepted only if prior arrangements are made.
- ATTENDANCE** Attendance at lectures and participation in discussions is expected.

COURSE OBJECTIVES

The goal of this course is to provide students with a strong foundation in mathematical statistics. This course serves as a prerequisite for several other courses and constitutes much of the core material for the Ph.D. and M.S. Comprehensive exams.

TOPICS CONSIDERED IN THIS COURSE

I plan to cover most of the material in Chapters 1 through 5 and selected sections of Chapter 6 of Casella and Berger. I will try and maintain an informal atmosphere and encourage class discussion and participation. Questions are always welcome and encouraged.

GRADING POLICY

The midterm exam will count approximately 30% of the course grade. The final exam will count approximately 40% of the course grade, and homework and quizzes will make up the other 30%. I don't have preconceived cutoff points for the various possible grades. Those students who score the most points will get the highest grades and +/- grades will be given. Course policies are governed by the College of Liberal Arts and Sciences. University policies regarding Student Rights and Responsibilities can be found at http://www.clas.uiowa.edu/students/academic_handbook/

STUDENTS WITH DISABILITIES

I would like to hear from anyone who has a disability which may require some modification of the seating, testing, or other class requirements so that appropriate arrangements can be made. Please see me about this as soon as possible.

ADDITIONAL HELP

Students are encouraged to see the instructor outside of class. An informal weekly problem session will be held during the semester and students are encouraged (but not required) to attend. The Department also maintains a list of possible tutors (see Tammy in Room 241). A list of independent tutors can be found at <http://www.stat.uiowa.edu/courses/tutors.html>

FINAL EXAM 7:30 A.M. Thursday, December 20, 2007

IMPORTANT POLICIES OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES

The College of Liberal Arts and Sciences Policy and Procedures

Academic Fraud

Plagiarism and any other activities that result in a student presenting work that is not his or her own are academic fraud. Academic fraud is reported to the departmental DEO and then to the Associate Dean for Academic Programs and Services in the College of Liberal Arts and Sciences. www.clas.uiowa.edu/students/academic_handbook/ix.shtml

Making a Suggestion or a Complaint

Students have the right to make suggestions or complaints and should first visit with the instructor, then with the course supervisor if appropriate, and next with the departmental DEO. All complaints must be made within six months of the incident.

www.clas.uiowa.edu/students/academic_handbook/ix.shtml#5

Accommodations for Disabilities

A student seeking academic accommodations first must register with Student Disability Services and then meet with a SDS counselor who determines eligibility for services. A student approved for accommodations should meet privately with the course instructor to arrange particular accommodations. www.uiowa.edu/~sds/

Understanding Sexual Harassment

Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. Visit www.sexualharassment.uiowa.edu/ for definitions, assistance, and the full policy.

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 CLAS requirements. Please keep in mind that different colleges might have different policies. If you have questions about these or other CLAS policies, visit your academic advisor or 120 Schaeffer Hall and speak with the staff. The CLAS Academic Handbook is another useful source of information on CLAS academic policy:

www.clas.uiowa.edu/students/academic_handbook/index.shtml