

Course Information for 22S:130 (STAT:3100)
“Introduction to Mathematical Statistics I”
Fall 2011

Instructor

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Department Executive Officer

Professor Luke Tierney, 241 SH, Phone 335-0712, luke-tierney@uiowa.edu

Dr. Zimmerman's Office Hours

10:00 am – 11:20 am MWF, or by appointment

Class Meetings

8:30 – 9:20 am MWF, 70 VAN

Textbook

The required textbook for this course is *Probability and Statistical Inference*, 8th edition, by Robert Hogg and Elliott Tanis. We will cover most of Chapters 1-5; subsequent chapters will be covered in the second course of this sequence, namely 22S:131 Introduction to Mathematical Statistics II. Reading assignments from the text will be made at the beginning of most class meetings. Bringing your textbook to class is advised.

Course Prerequisites

A good, year-long course in calculus, including multivariable calculus.

Course Objective

To learn probability concepts and probabilistic models that provide the tools needed for statistical inference, and to prepare actuarial students for SOA Exam P.

Not a Course Objective

To learn how to make statistical inferences from real data. That is the objective of 22S:131.

Tutors

A list of independent tutors can be found at
<http://www.stat.uiowa.edu/courses/tutors.html>

Students with Disabilities:

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

Exams

There will be three 50-minute midterm exams, given in class. These are scheduled for September 19, October 17, and November 14 (all Mondays) in 70 VAN. The final exam will be at 7:30 am, Monday, December 12, 2011 in 70 VAN. Each exam, including the final, will test over only the material covered since the previous exam. All exams will be “closed book.” Calculators may be used for exams, and any necessary statistical tables will be provided. If an exam is missed, a make-up exam will be permitted only if the circumstances of missing the exam satisfy university policies.

Homework

Written homework assignments are an essential component of the course. Assignments will be given in class and posted on Dr. Z’s webpage every Monday, and will be due the following Friday at the beginning of the class period. Unless prior arrangements are made, late homework will receive a score no higher than 50%. I do not mind if you work on homework problems together, and I encourage you to come to me for hints if you are stuck. However, you should first attempt to do the problems on your own, and you are to write the solutions on your own rather than copying the work of others. Do not merely write down answers, but clearly show step-by-step how you obtained your answers. Please use standard 8.5” × 11” ruled paper, and staple multiple pages together. Also note: I will not accept homework by e-mail, unless (a) you are absent on the day it is to be handed in, and (b) the circumstances of your absence satisfy university policies for an excused absence.

Attendance

Attendance at lectures is mandatory. Frequently coming to class late, leaving early, or being absent will lower your grade.

Grading

- Homework and Attendance, 20%
- Midterm Exams, 60% (20% each)
- Final Exam, 20%

Your grade for the course will be assigned according to following approximate scale:

Undergraduate students	Graduate students	Grade
[88, 100]	[90, 100]	A
[75, 88)	[80, 90)	B
[60, 75)	[65, 80)	C
[50, 60)	[55, 65)	D
[0, 50)	[0, 55)	F

This is not an absolute scale. The cutoff points may vary depending on the difficulty of the exams, and borderline cases may receive a + or –.

Various Policy Statements

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/.

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

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

Electronic Communication

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

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 Student Academic Handbook.

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.

Accommodations for Students with 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 <http://www.uiowa.edu/~sds/> for more information.

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 at

<http://www.uiowa.edu/~eod/policies/sexual-harassment-guide/index.html>
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,

<http://www.uiowa.edu/~pubsfty/intlinks.htm>