Instructor: R. P. Russo, 205 SH, 335-0817, rp-russo@uiowa.edu

Office Hours: 11:30 to 12:30 MTWTh, or by appointment. Students seeking out-of-class help are expected to have very good attendance.


Tutors: For a list of independent tutors, go to http://www.stat.uiowa.edu/courses/tutors.html

Classes: 9:30A to 10:55A MTWThF, 14 SH

Text: Statistics, 4th edition by Freedman, Pisani, and Purves. This is an excellent book with good exercises. Our goal is to cover Chapters 1-5, 8-10, 12-21, 23-24, and 26-28 (about one chapter per day!)

Objectives: This course takes a conceptual approach to the major ideas of probability and statistics. Topics include experiments and observational studies, descriptive statistics, correlation and regression, elements of probability, chance error, expectation, standard error, sampling, confidence intervals, and hypothesis tests. This is a statistics, not a mathematics, course; however, you need to be comfortable with math at the level of elementary algebra (e.g., equation of a straight line, plotting points, taking powers and roots, percentages).

Approved GE: Quantitative or Formal Reasoning

Prerequisite: Three years of high school math or 22M:001

Attendance: Attendance is mandatory. Illness is a legitimate reason to miss class, but just feeling a little under the weather is not. There are only 28 classes, two of which are reserved for exams, so it is important that you do not miss class. I expect students to be on time, to attend all classes & to not leave early. Excessive absences may result in a lowering of your grade or a failing grade.

Some Advice: Do not fall behind! The material is cumulative. Most of you will need a minimum of three hours of study after each class (not including class time) to successfully learn the course material. Some of you may need more. If you do not put in the time, you will not learn. Your goal should be to understand the ideas, rather than to merely memorize facts and formulas.

Come to office hours to get your problems sorted out promptly. Read the text carefully, NOT as you would a novel. Do the exercises, and if you get stuck, look for similar worked examples. Work problems by yourself or in small groups -- both assigned homework problems and others from the text. Working exercises is the major way to assess your understanding and to solidify concepts. You cannot learn how to solve problems by merely watching me do them -- you must do them on your own. When you do not understand something, ask questions. Don't spectate! Participate!
Homework: I don't mind your working with others on homework problems; however, you should first attempt to do the problems on your own. You are to write the solutions on your own rather than copying the work of others. Do not merely write down answers, but show clearly how you obtained your results. Submit homework on 8.5x11 paper with your name printed at the top. If there is more than one page, staple them together. Homework is to be submitted in class on the date due. Late homework will carry a 25% penalty until 4PM on the date that it is due, & will carry a 50% penalty after that.

Exams and Quizzes: Quizzes and exams are closed book. For the exams, you may have one sheet of 8.5 X 11 paper with notes on both sides. Do not wear caps or hats during the exams or quizzes. When you complete an exam, you are to hand to me the following items: exam question paper with your name printed at the top, bubble sheet with your name printed & bubbled in, scrap paper, note sheet, table(s).

There will be six quizzes (final 20 minutes of class), a 90 minute midterm & a two-hour cumulative final. Dates are as follows:

Quiz 1: Friday, 24 June
Quiz 2: Thursday, June 30
Quiz 3: Thursday, 7 July
Quiz 4: Friday, 15 July
Quiz 5: Thursday, 21 July
Quiz 6: Wednesday, 27 July

Exam 1: Monday, 11 July (room TBA)
Exam 2: Friday, 29 July (room TBA)

The final exam will cover the entire semester, but will emphasize in roughly a 2:1 ratio, the 2nd half of the course. There will be no make-ups for quizzes or exams, but the lowest quiz grade will be dropped. Thus, if you must be away on a quiz-day, that quiz will be counted as your low score.

Grades: Grades will be based on the percent of points earned on quizzes, exams and homework. In determining your grade, homework will count 10%, quizzes 20%, the midterm exam 30% & the final exam 40%. Your grade for this course will be assigned according to the following approximate scale:

A 90% to 100%  B 80% to 89%  C 70% to 79%  D 60% to 69%

"plus" & "minus" grades will be assigned.

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/

Special Arrangements: I would like to hear from anyone who has a disability which may require some modification of seating, testing or other class requirements so that appropriate arrangements may be made. Please see me about this as soon as possible.
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 in 120 Schaeffer Hall or see the CLAS Student Academic Handbook:
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 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.
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. 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 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. (Operations Manual, IV.16.14. Scroll down to e. h. and i.)