STAT: 2010/4200 (22S:30/105)  
Statistical Methods and Computing

Fall 2014  
Lecture: 10:30-11:20 am MWF in 140 SH

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Objective: The course is designed to help you learn the basic concepts of statistics and statistical methods that are useful in a wide variety of real-world applications. The emphasis is on formulating questions of interest, choosing appropriate statistical techniques, verifying the assumptions behind the techniques, drawing proper conclusions from the analysis, and communicating the results.

In addition, you will learn the basics of programming in SAS, a widely used statistical software package in business, industry, government and research.

STAT:2010 (22S:030) is approved for General Education in the Quantitative and Formal Reasoning category.

Attendance: Although attendance is not taken, it goes without saying that regular attendance is necessary for getting the most out of a course as well as for getting a good grade. In the event of an absence, you are responsible for the materials covered in class and will need to catch up, e.g. by getting relevant notes from a classmate, etc.

Homework: In general homework will be assigned about once a week, and will be collected for grading. You are strongly encouraged to work on the assigned homework, not only because doing so will help you assimilate the materials but also some of the exam questions may be similar to the homework problems. You are free to work with your classmates on the homework, but you must submit your own solution. Homework assignments will be posted on ICON.

Late homework will not be accepted, unless due to “illness, mandatory religious obligations, or other unavoidable circumstances or University activities”.
Lab: We will have a lab session approximately once every two weeks. During the lab, you will learn how to use a statistical software package called SAS to do various statistical computations, graphs and analysis in conjunction with the materials covered in class. Each lab session replaces a lecture. Announcements will be made in class and in ICON as to when and where each lab session will take place.

Quizzes: There will be three or four short quizzes over the semester. Announcement of each quiz will be made at least a week before the quiz is given, both in class and in ICON.

Exams: There will be two 1-hour midterm exams and a comprehensive final. The midterms are tentatively scheduled for Friday, October 3 (Midterm 1), and Friday, November 7 (Midterm 2). The date and time of the final exam will be announced by the University.

Missed exams may be made up only with documentation of reasons, as required by University policy.

Grade breakdown: HW (15%), Quizzes (8%), Midterm 1 (21%), Midterm 2 (21%), Final (35%).

Approx. grading scale: 90 – 100% → A/A-; 78 – 89% → B+/B/B-;
66 – 77% → C+/C/C-; 55 – 65% → D.

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 Academic Policies Handbook at http://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, 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 Honesty**  
All CLAS students have, in essence, agreed to the College's 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**  
The final examination schedule for each class is announced around the fifth week of the semester by the Registrar. Final exams are offered only during the official final examination period. No exams of any kind are allowed during the last week of classes. All students should plan on being at the UI through the final examination period. Once the Registrar has announced the dates and times of each final exam, the complete schedule will be published on the Registrar's web site.

**Making a Suggestion or a Complaint**  
Students with a suggestion or complaint should first visit with the instructor (and the course supervisor), and then with the departmental DEO. Complaints must be made within six months of the incident (CLAS Academic Policies 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 Department of Public Safety website.