1 General Information

Instructor: Dr. Aixin Tan, 259 SH, 335-0821, aixin-tan@uiowa.edu
Office hours: M, W, F 2:30 - 3:20 p.m.
Please feel free to make appointments to see me outside of office hours,
and to send me questions by e-mail.

Department: Statistics and Actuarial Science, 241 SH
DEO: Dr. Luke Tierney, 241 SH, 335-0712
luke-tierney@uiowa.edu

Lectures: M, W, F 1:30-2:20 p.m. 427 EPB
Lab: In general, 1 lab will replace 1 lecture every other week 41 SH
Web page: www.stat.uiowa.edu/~aixtan/f30_2012
Handouts, homework assignments, datasets, etc.
will be posted on the web page for you to download.

2007, Freeman

Recommended resources: Delwiche and Slaughter, The Little SAS Book, 3rd ed.,
2003, SAS Institute. Available online infohawk.uiowa.edu

2 Course goals and objectives

Through hands-on experience with real data from a wide variety of applications, students
will learn basic methods required for data analysis and interpretation. The emphasis will be
on formulating questions, choosing appropriate statistical techniques for a given problem,
verifying whether the assumptions behind the techniques are met by the dataset, drawing
appropriate conclusions from the analysis, and communicating the results. Students will
learn the basics of SAS, a statistical software package that is widely used in business,
industry, government, and research.

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

3 Evaluation of students

3.1 Homework

In general, homework will be assigned each Fri. and will be due in class the following Fri.
Exceptions to this schedule will be announced in class.
Show your work when solving written homework problems. For computer problems, turn in printouts of your commands or programs and their output.

You are encouraged to study with others. But the submitted work must reflect your own effort. If you do discuss with others on homework assignments, please: a) write up your own assignment and make sure you completely understand all solutions that you submit, and b) write the names of the others in your study group on your assignment.

Late homework is accepted only as required by university policy, i.e. due to “illness, mandatory religious obligations, or other unavoidable circumstances or University activities.”

### 3.2 Attendance

Attendance is required and roll will be taken at random dates. If you must miss class due to illness or other valid excuse (see “Late Homework” above), please send the instructor an email with explanation prior to the class date.

### 3.3 Quizzes

Short quizzes will be given in class occasionally.

### 3.4 Exams

There will be two 1-hour midterm exams and one comprehensive 2-hour final. The midterms will be given in the classroom during a regular lecture period. Students may bring one 8-1/2 x 11 in. sheet of paper with notes to each midterm, and may bring three sheets to the final exam.

- **Midterm 1**: Sep. 21 in class (tentative)
- **Midterm 2**: Oct. 26 in class (tentative)
- **Final exam**: TBD in mid Sep. by the University

Missed exams may be made up only with documentation of reasons required by university policy (see “Late Homework” above).

### 3.5 Grading

The course components will be weighted as follows:

- **Homework**: 15%
- **Quizzes**: 10%
- **Midterms**: 40% (20% each)
- **Final**: 35%

Plus/minus grades will be used. For those who registered for STAT:2010 (22S:030), as a rough guide, A, A-= 90% – 100%, B+,B-= 80% – 90%, C+,C-,C-= 70% – 80%, D+,D-, D-= 60% – 70%.

Grade assignment for those in STAT:4200 (22S:105) will be subject to tougher criteria.
4 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.