

STAT:3510:0AAA (22S:101:AAA), Biostatistics, Spring 2014

Contact Information

Instructor: Ting Zhang (ting-zhang@uiowa.edu), 368 SH, (319) 335-1915
Teaching Assistant: TBD

Meeting Times (Places)

Lectures: MWF 8:30 AM – 9:20 AM (101 BCSB)
Office Hours (Instructor): MF 1:00 PM – 2:20 PM (368 SH) and by appointment
Office Hours (Teaching Assistant): TBD

Department Information

Professor Luke Tierney (luke-tierney@stat.uiowa.edu), DEO
Department of Statistics and Actuarial Science, 241 SH, (319) 335-0706

Course Webpage

<https://icon.uiowa.edu/>

Required Text

Principles of Biostatistics, 2nd edition, by Marcello Pagano and Kimberlee Gauvreau, 2000, Duxbury Press.

Software

We will mostly use R, which is available for free at: www.r-project.org.

Prerequisite and Requirement

22M:001 (MATH:0100)

Course Description

The main objective of this course is to help students learn basic statistical concepts and methods for summarizing, presenting and analyzing data from biological and health sciences. Upon completion of the course, students are expected to be able to understand standard statistical analysis results in the biological and health sciences literature. We will cover Chapters 1–3, 6–12, 14, 15 and 17–19.

Expectation and Grading

- **Homework:** There will be weekly assignments, which must be turned in at the beginning of the class on the due date. Late assignments will not be accepted. No soft (electronic) copies of homework will be accepted. Homework should be neat and stapled, with name and assignment number in the top right corner. You must write up your own solutions, and write your own computer code (but discussion is allowed). If you have questions regarding collaboration on homework assignments, it is your responsibility to ask them.
- **Exams:** There will be two midterm exams (tentatively 02/21/2014, Friday, and 03/28/2014, Friday) during the course in class, and a final exam. The final exam date and time will be announced during the first half of the semester by the Registrar. I will announce the final exam date and time for this course at the course ICON site once it is known. Do not plan your end of the semester travel plans until the final exam schedule is made public. The exams are closed book. You should bring a calculator and you can bring one page of letter-size notes for the first midterm, two pages of letter-size notes for the second midterm, and three pages of letter-size notes for the final.

Note: No make-up exam will be given unless the absence is due to unavoidable circumstances as stated by University policy (documentation will be required in such cases). Missed exams will receive a score of 0.

- **Quizzes:** Two 15-minute quizzes will be given in the lectures. Quiz dates and topics will be announced in class, the week before. Quizzes are closed book, and no note sheet may be used. You should bring a calculator for the quiz. The policy on make-up quizzes is identical to the one on exams.
- **Attendance:** Students are expected to attend lectures. Please bring your textbook to classes.
- **Grading:** Homework (20%), Midterm (20% + 20%), Quiz (10%), Final (30%). There might be bonus points in the midterm and final exams. As an *approximate* guide, grades will be given as A (90–100), B (80–90), C (70–80), D (60–70) and F (below 60). Plus and minus grades will be given.

Additional Resources

The Writing Center (www.uiowa.edu/~writingc/) helps all in the University community improve their writing, including attitudes and self-confidence about writing. The Speaking Center (<http://clas.uiowa.edu/rhetoric/for-students/speaking-center>) offers quality, one-on-one and small group tutoring and consultation to students and instructors on campus who would like to work on any aspect of oral communication. In addition, the department (www.stat.uiowa.edu/resources/tutoring) maintains a list of possible tutors.

Teaching Policies & Resources — Syllabus Insert

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](#).