University of Iowa
College of Liberal Arts and Sciences
Department of Statistics and Actuarial Science
Mathematical Statistics, STAT:4101 (22S:154)

• General Information
  – Instructor: Kofi Placid Adragni, 231 SH, 335-0820, kofi-adragni@uiowa.edu
  – Time & Location: 1:30PM - 2:20PM Mon, Wed, Fri; 30 SH
  – Office Hours: 2:30PM - 3:30PM Mon, Wed, Fri, and by appointment
  – Webpage: http://www.stat.uiowa.edu/~kadragni/Courses/S154
  – DEO: Dale Zimmerman, 241 SH, 335-0712, dale-zimmerman@uiowa.edu

• Course Objectives
Transformations, order statistics, point statistics, sufficient statistics, Rao-Blackwell Theorem, delta method, confidence intervals, likelihood ratio tests, applications.

• Homework:
  – There will be one weekly assignment posted on the class web page.
  – Homework will be due at the end of lecture on the day posted on the class web page.
  – Homework must look professional. Failing to do so may induce penalties.
  – Late homework will not be accepted under any circumstances.
  – Soft copies are not accepted. Copies must be stapled (no folded corners or paper clips).
  – All course work must be fully readable; text messaging acronyms and jargon are not accepted.
  – Working together in groups on homework is permitted and encouraged, but each student must do his/her own write-up of the solutions in his/her own words.

• Exams:
  – There will be two in-class midterm exams and one final exam, all in the usual classroom.
    * Exam 1: Wednesday, September 29, 2010; 1:30PM - 2:20PM.
    * Exam 2: Wednesday, November 3, 2010; 1:30PM - 2:20PM.
Final exam: Friday, December 17, 2010; 9:45AM - 11:45PM:

- Exams are closed book but you will be allowed one sheet of paper with formulas or notes on both sides for the midterm and the final exams.
- Remember to bring your own calculator for all tests.

- **Grading:** Your final grade will be determined by a weighted average of homework and exam scores.
  
  * Homework 20%
  * First Midterm 25%
  * Second Midterm 25%
  * Final Exam 30%

  The grades are assigned according to the usual 90, 80, 70, 60 breakdown. The course uses the +/- grading system.

- **The College of Liberal Arts and Sciences Policy 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 to 120 Schaeffer Hall, or see the CLAS Student Academic Handbook [http://www.clas.uiowa.edu/students/handbook/](http://www.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. 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 Academic Fraud section of the Student Academic Handbook.

  - CLAS Final Examination Policies: Final exams may be offered only during finals week. No exams of any kind are allowed during the last week of classes. Students should not ask their instructor to reschedule a final exam since the College does not permit rescheduling of a final exam once the semester has begun. Questions should be addressed to the Associate Dean for Undergraduate Programs and Curriculum.

  - 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. See [http://www.uiowa.edu/~sds](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 for assistance, definitions, and the full University policy. http://www.uiowa.edu/~eod/policies/sexual-harassment-guide/index.html

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