Mathematical Statistics II, 22S:154:001
Fall, Semester, 2007, 74 SH
Course web-page: www.stat.uiowa.edu/~kchan/S154.htm
The administrative home of this course is the College of Liberal Arts and Sciences.

- Instructor: Kung-Sik Chan
- Office hours: 263 SH, Monday and Friday 9:30-10:30, Wednesday 10:30-11:30, and by appointment
- Phone: 335-2849
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- DEO: Luke Tierney, 241 SH, 335-0712, luke-tierney@uiowa.edu
- Course Description: This course is a continuation of 22S:153. It is intended for upper-level undergraduate students in the mathematical sciences as well as for graduate students in all disciplines. The goal is to give students a solid foundation in the theory and methods of statistical inference. Topics include convergence in distribution and convergence in probability, as well as point estimation, confidence intervals, and testing of statistical hypotheses. Both frequentist and Bayesian paradigms are discussed and examined.
- Course requirements:

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<tr>
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<th>date</th>
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<tbody>
<tr>
<td>Homework</td>
<td></td>
<td>10%</td>
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<tr>
<td>Quizzes</td>
<td>9/7, 9/19, 10/12, 10/24, 11/28, 12/10</td>
<td>24%</td>
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<tr>
<td>Exam 1</td>
<td>Oct, 1 (Monday 7:00 p.m.-9:00 p.m.)</td>
<td>20%</td>
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<td>Exam 2</td>
<td>Nov, 7 (Wednesday 7:00 p.m.-9:00 p.m.)</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
<td>7:30 a.m. Monday, December 17 2007</td>
<td>26%</td>
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Homework must be handed in by the BEGINNING of the lecture on the due date. Late homework will be marked but NO CREDIT will be given. Each homework carries approximately equal weight and the one with lowest mark will be dropped from the determination of the final grade. Discussion with fellow students on the exercises of the homework is allowed. However, each student should submit his or her OWN solutions. Each quiz is about 15 minutes long. Exams, quizzes and the final are closed book; however, you may refer to the tables in the text. Furthermore, you may have one page (8.5 × 11) of notes written on both sides. The final exam will cover all the material taught in the course.

- Grades: Your grade for this course will be assigned according to the following approximate scale:
This scale is not absolute, and the cutoff points may vary depending on the difficulty of the exams. Also, borderline cases may receive a + or −.

- **Academic Fraud**
  Plagiarism and any other activities that result in a student presenting work that is not his or her own are academic fraud. Academic fraud is reported to the departmental DEO and then to the Associate Dean for Academic Programs and Services in the College of Liberal Arts and Sciences.
  [www.clas.uiowa.edu/students/academic_handbook/ix.shtml](http://www.clas.uiowa.edu/students/academic_handbook/ix.shtml)

- **Making a Suggestion or a Complaint**
  Students have the right to make suggestions or complaints and should first visit with the instructor, then with the course supervisor if appropriate, and next with the departmental DEO. All complaints must be made within six months of the incident.
  [www.clas.uiowa.edu/students/academic_handbook/ix.shtml#5](http://www.clas.uiowa.edu/students/academic_handbook/ix.shtml#5)

- **Accommodations for Disabilities**
  A student seeking academic accommodations first must register with Student Disability Services and then meet with a SDS counselor who determines eligibility for services. A student approved for accommodations should meet privately with the course instructor to arrange particular accommodations.[www.uiowa.edu/~sds/](http://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. Visit [www.sexualharassment.uiowa.edu/](http://www.sexualharassment.uiowa.edu/) for definitions, assistance, and the full policy.

- **Administrative Home of the Course**
  The administrative home of this course is the College of Liberal Arts and Sciences, which governs academic matters relating to the course such as the add / drop deadlines, the second-grade-only option, issues concerning academic fraud or academic probation, and how credits are applied for various CLAS requirements. Please keep in mind that different colleges might have different policies. If you have questions about these or other CLAS policies, visit your academic advisor or 120 Schaeffer Hall and speak with the staff. The CLAS Academic Handbook is another useful source of information on CLAS academic policy: [www.clas.uiowa.edu/students/academic_handbook/index.shtml](http://www.clas.uiowa.edu/students/academic_handbook/index.shtml)