Syllabus for Statistics 412 – Section 2
Introduction to Probability and Statistics
Fall of 2006 – Class 4:00-5:30 MW in B844 East Hall

Instructor Information:

Instructor: Brian Thelen
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Course webpage: http://www.stat.lsa.umich.edu/~bjthelen/Stat412_F06.html
Office hours: 5:30-6:30 M, 2:00-3:00 W, 12:45-1:45 Fr, or by appointment.

GSI Information:

GSI: JeongSeok Choi
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Homework: There will be 10 (almost) weekly problem sets. The best 9 (out of the 10) graded homeworks will be counted towards your grade. Full solutions for the homework problems will be posted on the course webpage.

Exams: There will be a total of two exams, one midterm and a final exam. Each exam will cover all the course materials up to the exam, i.e., final exam will be cumulative. The schedule for the exams are

- Midterm exam: Friday, November 3 from 5:30 - 7:00pm – classroom TBA
- Final exam: Tuesday, December 19 from 10:30am - 12:30pm – classroom TBA

Grading: Your grade is determined by a weighted combination of the homework and the exams according to the following weights:

Homework: 30%, Midterm exam: 30%, Final exam: 40%

Prerequisites: Calculus I and II (Differentiation and Integration)

Course Description: This course covers

- probability, random variables, and probability distributions in chapters 1-5,
- point estimation, confidence intervals, and hypothesis tests in chapters 6-9.

The course also covers selective topics on analysis of variance and simple linear regression in chapters 10 and 12, as much as time allows.