MATHEMATICAL STATISTICS
MA 486/586–1C
SPRING 2012

UAB MATH DEPARTMENT

Course Instructor: Prof. Paul H. Jung
Office: CH 493B
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Office Hours: Monday, Wednesday 2:30-3:30pm (or by appointment)

Meeting time: MWF, 10:10–11:00am
Location: HHB 227
Prerequisite: Grade of C or better in MA 485 (MA 260 or MA 434 is highly recommended)
Textbook: Statistical Models, 2nd edition by David Freedman, Chapters 1-5, 7

Important dates:
First day of class: Monday, January 9
MLK holiday: Monday, January 16
Last day to add/drop without paying full tuition: Tuesday, January 17
Spring Break: March 18–24
Last day to withdraw with a “W”: Thursday, March 29
Last day of class: Monday, April 30
Final exam: Wednesday, May 9, 8–10:30am
Course policies:
- Make sure that you are able to receive e-mail through your Blazer-ID account. Course announcements will be sent to that address.
- To request a disability accommodation, contact DSS: 934-4205 or dss@uab.edu.
- No books, notes, or calculators will be allowed during any of the tests.

Assessment procedures: Student achievement will be assessed using:
- **Homework/Labs** There are six homework assignments which are each worth 2% of the grade. For 586 students, there are also 6 labs, each worth 2%.
- **Two Midterms** The midterms contribute 44% towards your grade (38% for 586 students).
- **Final Exam** The final contributes 44% towards your grade (38% for 586 students).

Schedule
- **Week 1** Review of Probability: random variables, sample mean and variance, LLN
- **Week 2** (shortened) Chapter 1
- **Week 3** Review of Linear Algebra (Sections 3.1-3.2)
- **Week 4** Chapter 2
- **Week 5** Sections 3.3-3.5
- **Week 6** Hypothesis testing, Midterm 1, February 17
- **Week 7** Chapter 4
- **Week 8** Chapter 4,5
- **Week 9** Chapter 5
- **Week 10** Review, Midterm 2, March 16
- **Spring Break**
- **Week 11** Chapter 5
- **Week 12** Chapter 7
- **Week 13** Chapter 7
- **Week 14** Review, additional topics
- **Week 15** Review, additional topics
- **Last Day** Review of Final