

**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)

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**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

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**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

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**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.
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**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).
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**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