STAT320: Introduction to Mathematical Statistics
Spring Semester, 2003
Section 2
Time: 11:00-11:50, MWF
Location: A & S 1

Instructor: Athanasios Christou Micheas, Ph.D.
Office: 323 Mathematical Sciences Building
Office Hours: 12:00-1:30, Monday-Wednesday (Also by appointment)
Phone: 884-8828
e-mail: amicheas@stat.missouri.edu

Course Web Site:

- The web site will be frequently updated and should be visited often for news on homeworks, exam dates, etc...

Text:


Prerequisites: MATH 80, 175, 201 (Calculus I, II, III)

Topics to be covered:

- Probability (Chapters 1, 2)
- Discrete Probability Distributions (Chapter 3)
- Continuous Probability Distributions (Chapter 4)
- Joint Probability Distributions (Chapter 5)
- Descriptive Statistics (Chapter 6)
- Estimation (Chapter 7)
- Inferences on the Mean and Variance of a Distribution (Chapter 8)
- Inferences on Proportions (Chapter 9)
- Comparing two means and two variances (Chapter 10)

Time permitted:

- Linear Regression and Correlation (Chapter 11)
Homework:

- There will be seven problem sets assigned during the semester.
- Late homework will not be accepted.
- Your lowest homework score will be dropped in determining your overall homework performance.
- When submitting your homework:
  - Display clearly on the top of the first page: your name (last, first), the course name and section and the assignment number.
  - Homework should be done on standard-size paper (8 1/2" by 11").

Exams:

- There will be two midterm examinations and a comprehensive final exam. The dates for the exams are as follows (same room for all, A & S 1):
  - Midterm I: Friday, March 7
  - Midterm II: Friday, April 18
  - FINAL EXAM: TBA
- Examinations must be taken at the scheduled times. Make-up exams will not be given.
- All exams are closed book. However, you will be allowed to bring one standard-size page of notes (8 1/2" by 11") for the first and second midterms, and two sheets of notes for the final examination.

Grading:

- Your grade will be based on a weighted average of your midterm scores (20% each), homework average (25%), and final exam score (35%).