

**CALIFORNIA STATE UNIVERSITY, HAYWARD
DEPARTMENT OF STATISTICS**

**Statistics 3601 Introductory Statistics for Scientists and Engineers
Winter 2003**

Lecture: TTh 8-10, NSc 207

Instructor: Prof. Eric A. Suess **Office:** ScN 319 **Phone:** 885-3879 **e-mail:** esuess@csuhayward.edu

Office Hours: TTh 7:00-7:50 or by appointment and 24/7 by e-mail

Class Website: <http://www.sci.csuhayward.edu/~esuess/>

Required Text: Scheaffer and McClave, Probability and Statistics for Engineers, 4th Ed., Duxbury 1995.

Prerequisites: Knowledge of differential and integral calculus and basic computer literacy is required for some of the class projects.

Material To Be Covered: In this course you will learn about the application of Probability Theory and Statistical Inference used in Engineering and Applied Science. The main course objectives will be to introduce the fundamentals of probability, give examples of discrete and continuous random variables, and present the basic ideas of sampling, estimation, and hypothesis testing through the use of computers. Part of the course will be devoted to the use of computer software to demonstrate and implement the mathematical ideas presented.

Homework: There will be assignments given during the quarter, these assignments will always include problems from the book and almost always include problems for which some computer programming will be required. A list will also be on the class website. Late homework *will not* be accepted!

Quizzes and Exams: A few short quizzes will be given, two midterms will be given during the quarter, and the final will be given at the end. You are expected to bring a calculator with you to all exams and your Student I.D. for identification.

Grading: Homework and Quizzes 20%, Midterm I 25%, Midterm II 25%, Final 30%

Policy on Make-up Exams: You are expected to take the quizzes and exams at the scheduled times. Quizzes *may not* be made up! In case of genuine emergency, illness or hardship, for which you can present written documentation I may agree to arrange for a make-up exam. Make-up exams must always be arranged BEFORE the regular exam is given and always take place AFTER the regular exam.

Class Expectations:

- No talking when the instructor is lecturing. No reading newspapers. No eating. Do not get up to sharpen your pencil during class.
- Do attend class every day. Do bring your book. Do bring questions related to class, lecture, or homework. Do raise your hand when you have a question. Do switch off all beepers and cellular phones.
- If for some reason you miss a day of class, it is your responsibility to get a copy of the notes from someone who attended the lecture that day so you can catch-up.
- All programs are expected to be result from individual work. Discussion of the homework problems is acceptable but all code must be produced individually.