

FALL 2009 : STAT - 1 , Section #11

GENERAL INFORMATION

Instructor:	DR. D. RAMACHANDRAN ~ Dr. R.
Office:	Room BRH-132 - Brighton Hall
Office Hours:	T Th 9:30 a.m. – 10:15 a.m. T Th 2:00 p.m. – 2:45 p.m. ALSO BY APPOINTMENT
Title:	INTRODUCTION TO STATISTICS
Catalog Description:	Descriptive statistics, basic concepts of probability and sampling with the aim of introducing fundamental notions and techniques of statistical inference.
Prerequisites:	Math 9 or three years of high school mathematics which includes two years of algebra and one year of geometry; completion of the ELM requirement and a PASSING SCORE on the INTERMEDIATE ALGEBRA Diagnostic test.
Learning Objectives:	Organize, Summarize, and Interpret data in tabular, graphical, and pictorial formats. Understand the basic rules of probability. Use of the binomial distribution as a model for discrete variables. Understand the Normal distribution as a model for continuous variables. Learn Statistical Inference techniques of parameter estimation such as Point Estimation, and Confidence Interval Estimation. Learn techniques of testing various statistical hypotheses concerning the population parameters.
Class Hours:	T Th 10:30 a.m. - 11:45 a.m. in ARC-1010 for the live section and in Calaveras Hall CLV–141 for the remote section.
Text:	<i>Introduction to Probability and Statistics</i> by Mendenhall/Beaver/Beaver, 13th edition with enhanced WebAssign
Course Outline:	We will closely follow the text and cover chapters 1 - 10. There will be THREE midterm tests and a COMPREHENSIVE final examination.
Homework:	Problems from the exercises section in the text will be suggested for practice.

Writing Component: STAT 1 satisfies Area B4 of the GE requirements. Students are advised to practice interpreting the results of statistical solutions using technical and non-technical language while solving word problems dealing with real life situations. Exercises will involve writing and understanding complex technical prose, interpretation of theoretical concepts, and use of statistical ideas to accomplish a variety of tasks. Class discussions will emphasize this writing component requirement of the course through the above criterion.

EXAMINATIONS:

- TEST 1 ON 10/1/09 (THURSDAY, 10:30 noon to 11:45 p.m.)
- TEST 2 ON 10/29/09 (THURSDAY, 10:30 noon to 11:45 p.m.)
- TEST 3 ON 11/19/09 (THURSDAY, 10:30 noon to 11:45 p.m.)
- FINAL EXAM ON 12/17/08 (THURSDAY, 10:15 a.m.– 12:15 p.m.)

Grading:	HOMEWORK	10%
	MIDTERM TESTS	50%
	FINAL EXAM	40%

Letter grade will be assigned on the basis of a weighted average score according to the above weighting scheme and the guidelines in the latest catalog.

Drops: You may drop this course without penalty until Friday, October 9, 2009. For procedural details refer to the DROP POLICY document of the CSUS Math & Statistics department. On or after October 12, 2009 you MUST be passing this course (with a grade of C or better) AND MUST have a written medical excuse from a licensed M.D. in order to drop this course without penalty.

Attendance: Since this is the studio section of a Distance Education class, the class dynamics requires your regular attendance and participation in discussions. You should go over the class material regularly and complete all assignments in timely fashion. You should regularly consult the web page to keep yourself informed of new assignments and their deadlines. If you do not attend regularly your spot in this section will be switched with that of a student from the remote section who is willing to attend the class regularly. Experience shows that such effort is highly correlated with good performance in the course.

- Homework problems and general information about the course will be posted in my website at <http://www.csus.edu/indiv/r/ramachandrand/>
- NO MAKE-UP TEST WILL BE GIVEN.