

SPRING 2014 : STAT - 1 , Section #10

GENERAL INFORMATION

Instructor:	DR. D. RAMACHANDRAN ~ Dr. R.
Office:	Room BRH-132 - Brighton Hall
Office Hours:	T Th 10:30 a.m. – 11:15 a.m. T Th 2:45 p.m. – 3:30 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 9:00 a.m. to 10:15 a.m. in BRH–203
Text:	<i>Introductory Statistics</i> by Weiss, 9th edition with <i>MyStatLab</i>
Course Outline:	We will closely follow the text and cover chapters 1 - 14. 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. Solving practice problems regularly is necessary to do well in the course.

Students can use Dr. R's office hours and the services of the Math Lab (BRH-118) to ensure they have learned the techniques correctly. Some online homework using *MyStatLab* will be assigned periodically and will be graded. The students should regularly check the online tool *MyStatLab* and complete the assignments in a timely manner.

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.

- TEST 1 ON 2/27/14 (THURSDAY, 19:00 a.m. to 10:15 a.m.)
- TEST 2 ON 4/3/14 (THURSDAY, 9:00 a.m. to 10:15 a.m.)
- TEST 3 ON 5/1/14 (THURSDAY, 9:00 a.m. to 10:15 a.m.)
- FINAL EXAM ON 5/20/14 (TUESDAY, 10:15 a.m. to 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, March 7, 2014. For procedural details refer to the DROP POLICY document of the CSUS Math & Statistics department. On or after March 10, 2014 you MUST be passing this course (with a grade of C or better) and must comply with the department's DROP POLICY in order to drop this course without penalty.

Attendance: The class dynamics requires regular attendance and your conscious effort to go over the class material regularly and completing all assignments. You should regularly consult the web page to keep yourself informed of new assignments and their deadlines. Experience shows that such effort is highly correlated with good performance in the course.

- Practice problems, homework assignments and general information about the course will be posted in my website at

<http://www.csus.edu/indiv/r/ramachandrand/>

- NO MAKE-UP TESTS WILL BE GIVEN.