

Statistics 1: Introduction to Statistics

Fall 2008, Section 4

Class Meetings: MWF 11:00 – 11:50

Location: Brighton 201

Instructor: Michelle Norris

Office: Brighton 146

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Office hours: Mon 10-10:50, Wed 2-3, Fri 12-12:50 and by appointment

Website URL: www.csus.edu/indiv/n/norrisa/stat1

Catalog Description: Descriptive statistics, basic concepts of probability and sampling with the aim of introducing fundamental notions and techniques of statistical inference.

Learning Objectives: Students who successfully complete this course will be able to:

- ☐ compute and interpret probabilities associated with well-defined experiments
- ☐ analyze, summarize and draw appropriate conclusions from data
- ☐ make correct inferences from sample data
- ☐ think critically about the statistics they encounter in everyday life.

Prerequisites: Math 9 or three years of high school mathematics which includes two years of algebra and one year of geometry; completion of ELM requirement and a passing score on the Intermediate Algebra Diagnostic Test (IAD).

You must present verification to me that you have passed the IAD no later than Monday, September 8, 2008. If you fail to do so, you may be dropped from this class. Information on the IAD can be found at www.csus.edu/math/courses/diagnostic.htm

Text: *Introduction to Probability and Statistics* by Mendenhall, Beaver and Beaver, 13th edition. ISBN 0495389536.

Supplies: Scientific calculator (cell phone calculators will not be allowed on exams)

Coverage: We will cover Chapters 1-10 of the text.

Homework: 13-15 weekly homework assignments will be given. About half will be graded based on completeness, I will grade the other half by picking 2-5 problems and grading them for correctness. Homework assignments are due *at the beginning* of class on the due date. Late homework will not be accepted. However, I will drop your lowest homework score at the end of the semester. Homework will be collected during dead week (15th week of the semester), plan accordingly.

Homework is a tool to help you understand the concepts being taught. If you wait until the last minute and rush through the homework problems without trying to understand them, you are setting yourself up for failure. Homework only accounts for 10% of your final grade, the real value of homework is that, if done properly, it will help you understand the concepts so you can do well on exams (90% of your grade).

In addition, if you are having trouble with your homework, come visit me during my office hours. I like seeing students during office hours! Another option is the Math Lab in

Brighton 118; the math lab schedule is available at
<http://www.csus.edu/math/students/mathlab.htm> .

Homework Solutions

As my schedule permits, I will post homework solutions to the website. Due to the budget crisis, we do not have a reader to grade the homework so I will be grading it myself. As a result, there may be occasions where I don't have enough time to generate solutions or can only generate partial solutions. If you have a question about a problem for which I do not post a solution, please come and ask!

Writing Component: Since this is a General Education Class in area B4A (Mathematical Concepts and Quantitative Reasoning), your homework will include problems requiring a written response. These responses will be graded not only for correctness, but also for proper spelling and grammar.

Exams: There will be three midterm examinations and a *comprehensive* final examination. The final will only be given at the officially designated time (shown below).

Final Exam Wednesday, December 17, 2008 10:15 am –12:15 pm

Grading: The grade you earn will be a weighted average of your scores on the components below:

Homework	10%	(lowest hw dropped)
Midterms (3)	60%	
Final Exam	30%	

Midterm 1 -- Monday, October 6, 2008

Makeup exams will not be allowed unless you have a medical emergency which can be substantiated with a note from an M.D.

Letter grades will be assigned according to the following percentages:

93 - 100%	A	73-76.9%	C
90-92.9%	A-	70-72.9%	C-
87 - 89.9%	B+	67-69.9%	D+
83-86.9%	B	63-66.9%	D
80-82.9%	B-	60-62.9%	D-
77 - 79.9%	C+	below 60%	F

Drops

You may drop this course without penalty until the close of business on October 10, 2008. After this date, you must be passing this course with a C or better and must have a written medical excuse from a M.D. in order to drop this course without penalty.

Cheating

Do not cheat. Academic integrity is of utmost importance to me. Cheating incidents will be reported to the Dean of Student Affairs and appropriate punitive action will be taken.