

Introductory Statistics

Math 140, Fall 2009

Professor. Dr. Silvia Fernández

Office. SN 406 (SN = Santa Susana Hall formerly FOB = Faculty Office Building)

E-mail. silvia.fernandez@csun.edu

Web Site. www.csun.edu/~sf70713

Phone. (818) 677-6445 (email is better)

Office Hours. Tuesday and Thursday 3:45-4:45 pm.

Class meeting time & place. Tues. and Thurs. 2:00-3:40 pm, LO1125 (LO=Live Oak Hall).

Topics. Introduction to Data Exploration and Inference, Distributions, Measures of Center and Spread, The Normal Distribution, Surveys and Experiments, Randomization, Sampling distributions of Sample Mean and Sample Proportion, Probability, Conditional Probability, Independent Events, Inference for Proportions, Inference for Means, Relationships between two quantitative variables.

Textbook. Statistics in Action (Understanding a World of Data) by Ann E. Watkins, Richard L. Scheaffer, George W. Cobb, 2nd edition, 2008. Key Curriculum Press. ISBN: 978-1-55953-909-8. Topics from chapters 1-5, 7-9 will be covered.

Prerequisite. A passing score on the ELM = Entry Level Mathematics examination, or a waiver.

Assessment. Your grade will be based on attendance, homework, three in-class exams, and an optional (see details below) final exam.

Attendance. Attendance is considered mandatory; attendance means on time attendance. Repeated absences will affect your grade. Please be aware that under the new course-repeating policy your chances of repeating a class are extremely limited.

Homework. Homework will be assigned regularly. You will be required to access *WebWork* to complete most homework assignments. WebWork is an internet-based homework delivery system. To access WebWork (starting on January 26th) go to the following website **webwork.csun.edu**. After clicking your Professor's name you will be asked to type your username and password. Your **username** is the first part of your CSUN email address (for example if your email address is john.doe.43@my.csun.edu, then your username is john.doe.43). Your **password** is your student ID number with no starting zeros. Please change your password after logging in for the first time. Refer to the "First Steps for Students" document for instructions on how to use WebWork. It is located in the upper left corner of **webwork.csun.edu**.

In-class exams. There will be three in-class tests. You will have the entire class period (100 minutes) to work on each test. **Make-up tests** will be given only in case of an emergency. A justification note is necessary. Tentative dates are Thursday February 11th, Thursday March 18th, and Thursday April 29th.

Final Exam. This exam is optional (see grading scheme below) and includes all topics covered during the semester. Thursday May 13th, 3:00-5:00 pm in LO1125.

Grading Scheme. On the last day of classes, Wednesday December 9th, you should let me know whether or not you will take the final exam. Your grade will be calculated as follows:

Students taking the final exam

3.5% Attendance
14% Homework
52.5% In-class exams (17.5% each)
30% Final exam

Students not taking the final exam

5% Attendance
20% Homework
75% In-class exams (25% each)

The \pm will be used when assigning final grades. 90% guarantees an A, 80% a B, 70% a C, and 60% a D.

Calculators. A TI-83 is required. It will be used during regular class meetings and all exams. It will aid the statistic study and understanding of quantitative data.

Important Notice. The last date to drop the class is Friday February 5th. **No class:** March 2 and 4 (work will be assigned for these days), March 30 and April 1 (furlough days).