
A TI-83 or TI-84 graphing calculator is required.

COURSE OBJECTIVE:

This course covers descriptive and inferential statistics, including data analysis, correlation and linear regression, probability distributions and hypothesis testing. Upon successful completion of the course, the student will be able to solve simple probability problems; group and graphically represent data; find measures of central tendency, location and dispersion; set up statistical hypotheses and test them; construct confidence intervals; find sample sizes for given confidence levels; test hypotheses; test for correlation among two populations; and find regression models where appropriate.

STUDENT LEARNING OUTCOMES:

Given visual displays of the distribution of several variables, compare and contrast the distributions, including discussions of center, spread, symmetry, skewness, and outliers. Given the description of a study in which an interval estimate or the result of a hypothesis test is provided, interpret the results of the interval estimate or hypothesis test.

CALCULATOR:

Each student is required to have the TI-83 or TI-84 programmable graphing calculator. It may be possible to borrow a calculator from the school. Please see me if you need more information about borrowing a calculator for the semester. No prior experience with the calculator is required.

COURSE SCHEDULE AND ASSIGNMENTS:

Homework will be assigned from the problems with the answers in the book. I do not grade individual homework problems. I expect you to check your answers with those in the book.

*Please ask questions during class.* It is the only way I have of knowing whether or not the material is clear and the subject understood.

Chapter Tests will be given covering each one or two chapters. Chapter Tests will be worth 100 points each. The Final Exam will cover the entire course and is worth 200 points. You may use your books, notes and calculator during tests. Use of internet capable devices (e.g., cell phones, tablet computers, laptops) is strictly prohibited.

Additional required projects may be assigned during the semester.

You can find course information updated regularly at the following web site:

http://instruct.westvalley.edu/leitner/
GRADES:

Your letter grade will be based on the total points from your homework, Chapter Tests, any projects and the Final Exam. The grading scale is as follows:

- A = 90% or better
- B = 80% - 89.9%
- C = 70% - 79.9%
- D = 60% - 69.9%
- F = less than 60%

FINAL EXAM:

The Final Exam schedule is published in the course catalog and may be updated during the year. It is your responsibility to know the date and time of the Final Exam. Students who do not take the Final Exam will receive an F for the course regardless of their point total. Your percentage score on the Final Exam will be used in place of the lowest test score that is lower than your Final Exam percentage.

CRITICAL DATES:

It is your responsibility to drop the course by the published deadline and any student whose name appears on the final roster will receive a grade.

SPECIAL SITUATIONS:

West Valley College makes reasonable accommodations for persons with documented disabilities. The Disability and Educational Support Program (DESP) coordinates accommodations and services for all students who are eligible. If you have a disability for which you wish to request accommodations and have not already done so, please contact DESP as soon as possible. Information about their services can be found at www.westvalley.edu/desp/.

You may also contact me privately in regard to your needs in this course.

OFFICE HOURS AND GENERAL INFORMATION:

I will be available on Mondays and Wednesdays from 7:45am – 8:00am in Cilker 135, or we can arrange for an appointment. The best way to get a message to me is via the above e-mail address.