

UNIVERSITY OF CALIFORNIA, SANTA BARBARA
Department of Statistics and Applied Probability
5E: Statistics with Business and Economic Applications
Summer Session A, 2009 Course Syllabus

Instructor: Yan Xu

Office: South Hall 5431 W Office Hours: MT 2:00- 3:00pm

Email: xu@pstat.ucsb.edu

Lectures: M-Th 11:00AM-12:20PM, **North Hall 1109** (classroom change)

Class Webpage: <http://www.uweb.ucsb.edu/~yanxu/>

TA: Matt Hancock

Office: South Hall 5431 U Office Hours: TBA

Email: hancock@pstat.ucsb.edu

Discussion sections:

Classroom: M 12:30-1:20 PHELP 1444 Lab: W 12:30-1:20 PHELP 1526

Classroom: T 1:00-1:50 GIRV 2116 **Lab : Th 1:00-1:50 PHELP 1530 (schedule changed)**

(NO classroom section in the first week. NO lab section in the last week.)

Textbook

Essentials of Modern Business Statistics with Microsoft Excel, 4e, by D.R. Anderson, D. J. Sweeney and T.A. Williams, Thomson, 2009. ISBN: 978-0324783513

Course Content

The course covers descriptive methods, basic probability, statistical inference and hypothesis testing, and regression. The emphasis of the course will be on problem solving and statistical thinking rather than on abstract theory and mathematical derivations.

Course Structure

You are required to attend all lectures and discussion sections. Lectures meet Monday through Thursday, and sections meet immediately after lecture. One discussion section each week will be in the computer lab and one in the classroom. Moreover, you should be studying at least 10 hours a week on your own. I encourage you to ask questions during lecture and discussion sections. Odds are if you're struggling with the material, one of your classmates is too, so please ask questions if the material isn't making sense.

Discussion Section

Discussion section meets twice each week. You should bring a calculator, your textbook and notes to every section. Section attendance is mandatory, and there are NO make-up sections. A quiz will be given every other week during the classroom section. No make-up quizzes will be allowed. You will be allowed to consult your textbook and notes during quizzes.

Homework

Homework will be assigned upon completion of a chapter. Homework will not be collected or graded. You are expected to work on the assignments because completing the assignments will help you hone the skills necessary to do well on the exams. If you're having trouble with the homework, please get help from me or the TA as soon as possible. Baseball players take batting practice to become better hitters, and statistics students do homework problems to learn statistics.

Calculator

Please bring a calculator to every lecture and to weekly discussion sections. Please check that it is working. You cannot use your cell phone as your calculator.

Assessment

Exams are closed book and closed notes. All relevant formulas will be provided. Please remember to bring your calculator and blue book to the tests.

Your final grade is based on your overall score computed as follows:

7.5% Work completed during computer lab section

7.5% Quizzes completed during classroom section

25% Midterm Test 1: Thursday, July 2nd, 11:00-12:20

25% Midterm Test 2: Thursday, July 16th, 11:00-12:20

35% Comprehensive Final Exam: Wednesday, July 29th, Time TBA

Do not miss sections or tests. There will be no make up exams, quizzes, or sections unless there is a documented emergency. No exceptions. It is your responsibility to ensure that you are available at the designated assessment times. Students will receive a score of 0 for any missed classroom section quiz or computer lab section assignment. However, your lowest quiz score from classroom section will be dropped. All lab section scores will be counted.

Academic dishonesty

Any student caught cheating in PSTAT 5E will be given an `F' for the course. Further disciplinary measures may be taken. The rule applies to all aspects of the course.

Grades

As a general guideline, letter grades will be given approximately as follows:

~ 20 % A's

~ 30 % B's,

~ 40 % C's,

~ 10 % D's

This is only a general guideline. If the class performs particularly well, more than 20% will be given an `A', and similarly if the class does not perform well.

A grade of incomplete will only be given to a student who cannot complete the course due to illness or other (documented) circumstances beyond their control.

This is a 5-unit course; students cannot get partial unit credit for completing only a fraction of the course.

Getting help

Be sure you get help as soon as you start to feel lost. Please utilize office hours. Ask questions during lecture and section. Also CLAS meets twice a week starting this week for PSTAT 5E.

Disabled Students Program (DSP)

If you are a student requiring special accommodations please contact me as early as possible well in advance of any exams so we may best accommodate you.