INSTRUCTOR:
Alex Stanoyevitch // Office: Sequoia 204 // Hours: Tu. 2:15-3:15, Thur. 12-1 // email: astanoyevitch@csudh.edu

TEACHING ASSISTANTS:
Kinjall Basu//Office: Sequoia 211 // Hours: Wed. 11-1 //email: kinjal@stanford.edu
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COURSE WEBSITE: stanoyevitch.net/courses/html


MATERIAL TO BE COVERED: The core probability topics closely follow (in order) the following chapters from the Wackerly book: An Overview of the Subject (Chap. 1), Probability (Chap. 2), Discrete Random Variables (Chap. 3), Continuous Random Variables (Chap. 4), Multivariate Probability Distributions (Chap. 5), Functions of Random Variables (Chap. 6), Sampling Distributions and the Central Limit Theorem (Chap. 7). Estimation (Chap. 8 and Chap 9.), Hypothesis Testing (Chap. 10), Least Squares Regression (Chap. 11), and ANOVA (Chap. 13).

SOFTWARE: Throughout the course, we will be integrating the R statistical software. It is free and available on just about any platform. Google it and download onto your computer. You will be able (and sometimes required) to use it on homework assignments. If it is possible (so every student can bring a laptop to each exam), I would like to allow its use on all exams as well.

GRADING:
(1) HOMEWORK ASSIGNMENTS [due on Mondays at the beginning of class, assigned the previous week] = 40%
(2) 3 IN-CLASS [50 MIN.] CLOSED BOOK EXAMS [10% EACH] = 20-30%
(3) FINAL EXAM = 30-40%

There will be no make-up exams. If you miss an in-class exam (for whatever reason) it will be dropped an not count against you. If you take all three in-class exams, I will allow you to either drop your lowest of the three or (if your final is lower) drop 10% the final (so it will count 30% rather than 40%). In the unlikely circumstance you need to miss a second exam you will have to clear it with me before the exam so that it will count as an excused missed exam. An excused missed exam changes the final exam’s coverage by adding 20% to its weight.

Homework Assignments: Homework assignments will be given daily. Conscientiously completing all of homework assignments is the number one recipe for success in this (or any math) class. The formal collected homework assignments will be given on most weeks, they will be announced by Thursday, and will be due the following Monday at the beginning of class. Informal study groups are encouraged to help one another learn the topics, however, the homework you turn in must be your own work and write-up. Exam questions will not be very different from the examples given in the lecture and to homework problems. Actively participating in the lectures (listening, taking good notes and asking question when you have them) should help prepare you to complete the homework assignments. Reading the books/notes is also helpful, either before the lecture (to give you a jump on the material) or after (to give you more guided practice before you start the homework). I will drop your lowest homework score.

Late Homework policy: You can be up to one day late for each homework (with a penalty of 10%) of the total score for that homework.

Exams: I will give you at least one full week’s notice specifying the dates and material of the in-class exams; they will usually be on Wednesdays or Thursdays.

Final Exam: The final exam will be on Friday, August 16th from 12:15-3:25; it will cover all of the material of the semester.

Technology: Scientific, graphing, or symbolic calculators may (and are sometimes needed to) be used on homework and exams.