

Statistics 201 Spring 2009

Section B

MWF 1:00-1:50pm AH 151

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TEXT: *Biostatistics: A Foundation For Analysis In The Health Sciences, 8th Edition* by Wayne W. Daniel.

COURSE CONTENT: This course is intended to prepare you to understand and utilize statistics in the bioscience area. We will begin with some basic definitions for what statistics are and what they describe. We will spend a little bit of time on basic probabilities before diving into the meat of the subject. We will cover a variety of probability distributions as well as sampling distributions followed by estimation and hypothesis testing. We will discuss Analysis of Variance (ANOVA) in some detail. The remaining time will be spent on regression analysis, the chi-square distribution and (hopefully) a bit on non-parametric statistics.

HOMEWORK: A list of suggested homework problems will be given during each class period. I do expect that you will attempt *all* homework problems. I will grade some, though not all, of these problems. Any homework **must** be turned in using the proper format and on time. NO late (or incorrectly formatted) homework will be accepted.

Projects: This is a statistics class. There *WILL* be projects. Some may be major. I don't know an exact number but projects will be worth a total of 200 points.

TESTS: There will be three in-class exams, each exam worth 100 points, and a comprehensive final exam worth 200 points. **I will not curve your test grades.** If you miss a test for any reason, you need to notify me **no later** than the day after the test to set up a time for a make-up.

ATTENDANCE: I assume that you are adults. You have paid (a Lot of) money for the privilege of attending this class but if you decide that you don't wish to do so I don't object. I will be passing around roll sheets for the class but these roll sheets are only for the purposes of finalizing the registrar's lists.

GRADING: 100-90%=A, 90-80%=B, 80-70%=C, 70-60%=D, 60% and below is an F.

SCHOLASTIC DISHONESTY WILL NOT BE TOLERATED! You are responsible for doing your own work. Any violation of this principle will result in a zero grade on the work in question.