

**Statistics in Psychological Research
PSY U320
Spring, 2008**

Professor Stephen G. Harkins

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Textbook: Witte, R., & Witte, J. (2007). *Statistics* (8th edition). J. Wiley & Sons.

Course Objective: Learn basic concepts and methods of descriptive and inferential statistics, and learn how to apply these to solve statistical problems.

Blackboard: Homework assignments and other relevant material will be posted on Blackboard. Lecture notes will not be posted; students are strongly encouraged to attend all lectures.

Course Grade:

The final course grade will be based on the following:

Homework—based on 5 of 6 grades	30%
Quizzes—based on 5 quizzes	50%
Cumulative Final Exam	20%

Course Policies:

◆ Homework is due at the **beginning** of the class session. No late homework will be accepted. Be sure to make a copy for your use when we go over the homework. You may discuss the homework with your classmates, but the paper you hand in should be your own work.

◆ No make-up quizzes will be given. A missed quiz will be given a score of zero. In an emergency with a valid excuse, special arrangement will be made to accommodate the missing quiz grade. Valid excuses include illness with a doctor's note or a documented family emergency.

◆ A make-up final will only be given in an emergency, with a valid excuse. Valid excuses include illness with a doctor's note or a documented family emergency.

◆ This course strictly follows the university's policy on Incompletes.

◆ This course strictly follows the university's policy on academic honesty and integrity.

Schedule

Class Meetings		Chapters
Jan. 7, 9, 10, 14	Introduction, Frequency Distributions, Averages, Variability	1, 2, 3, 4
Jan. 16	Homework 1. Review	
Jan. 17	Quiz 1	
Jan. 23, 24, 28, 30	Normal Distribution, z scores	5
Jan. 31	Homework 2. Review	
Feb. 4	Quiz 2	
Feb. 6,11,13,14	Correlation, Regression	6, 7
Feb. 20	Homework 3. Review	
Feb. 21	Quiz 3	
Feb. 25, 27, 28	Populations and Samples, Probability, Sampling Distribution, z test	8, 9, 10
Mar. 10	Homework 4. Review	
Mar. 12	Quiz 4	
Mar. 13		
Mar. 17, 19, 20, 24, 26	t test for one sample, t test for Two Independent Samples, t test for Two Related Samples	13,14,15
Mar. 27	Homework 5. Review	
Mar. 31	Quiz 5	
Apr. 2, 3, 7, 9, 10, 14	One-Way ANOVA, Tukey HSD, Chi-Square	16,19
Apr. 16	Homework 6. Review	
Apr. 17	Finals begin.	
No Class		
Jan. 21	Martin Luther King Day	
Feb. 18	Presidents' Day	
Mar. 3, 5, 6	Spring Break	