Psychological Statistics, PSY 3204, FALL 2010   (short syll.)

Lecture:
Thomas Sanocki, Ph.D., Professor
Best contact: Sanocki@usf.edu
Office hour: M 2PM and by appt., PCD 4127
Packets and exam grades:
http://shell.cas.usf.edu/~sanocki/PS.html

Lab:
Sec. 1,2,6: Steven Fiske   <sfiske@mail.usf.edu>
Sec. 3,4,5: Kenneth Michniewicz
                        <kmichniewicz@mail.usf.edu>
Homework grades, lab info, notes: *Blackboard*

READINGS

1) "SFS." Sanocki, T. (2001). *Student-Friendly Statistics*. Upper Saddle River, NJ: Prentice Hall.

2) "SFS Handbook Fall 2010." (Homework packet on-line or *ProCopy*, 5209 E. Fowler, Publix Plaza).

OVERVIEW

Psychology's goal is to make the world a better place, by producing information that helps us understand and nurture human behavior. Statistics are *essential* in this process. This course introduces statistics, including descriptive statistics, and the main inferential tools (*t*-test; ANOVA with one and two factors, and especially interaction; correlation and regression, chi-square, and computer analysis). Mathematical skill is neither assumed nor stressed. The emphasis is on concepts and meaning.

GRADING

Grade scheme. Grades are based on a sum of points earned, from 0 to 1,000:
>   4 Exams (200 possible points each; the percent correct is multiplied by 2)
>>   Problem- and concept- oriented multiple choice.
>>   Exams include material from book, lecture, and some homework.
>>   A curve is set for each exam, in terms of cutoff percentage for each grade.
>   Homework (201 points total; 92% and above A, 84% B, 76% C)
>>   Problem sets and computer exercises most weeks, all listed in the Handbook.
>>   13 weekly assignments x 12 points   +   3 SPSS x 15 points.
>   Extra credit, *Optional*: 10 participation points (multiplied x 3 for up to 30 class points,
>>   or 3% of grade). Go to http://usf.sona-systems.com/. You must correctly assign
>>   your points to this course (Note Sona closes early !!).

Exam Policy. Designed to encourage learning through immediate feedback. Take your exams home with you to check against answers, posted quickly, at http://shell.cas.usf.edu/~sanocki/ExamInfo.htm.
   Be on time! (20 minutes or more late and you'll be forced to take a make-up).
Make-ups only in case of serious illness or lateness. Make-up exams are *post hoc*, and may be trimmed to be no more than the mean of other three exam scores, and do lose the "replace lowest benefit".

HURRICANE/DISASTER POLICY — Exam cancelled only if USF closed; if so, exam will be given the next Wednesday of class.

NOT PERMITTED: *Sale of Notes or Tapes from Class*
Plagiarism in any form, **FF for course.**

        TURN OFF #@&*%$ RINGERS!

See on-line LONG syllabus for more info and tips. Schedule on other side…

Fall 2010 Schedule

Week (Monday Date)		Topics	Reading	Exams
1	8/23	Problem solving with data, Analyzing scores	Start, 1, 2	
2	8/30	Science, Central tendency, IV Effect, Error, frequency	3	
3	9/6	[LDay Holiday] Standard Deviation (SD), Populations, Standard Scores;	4	
4	9/13	Standard Error, Sampling distributions, Interaction	5	
5	9/20	More science; first and easiest exam on Wednesday >>		#1 9/22
6	9/27	Testing for nothingness?!! (a.k.a., chance)	6	
7	10/04	*t*-test	7	
8	10/11	Decisions: Power, effect size, and errors	7 to p. 85 middle	#2 10/13
9	10/18	Experimental Design, Repeated measures t-test, ANOVA (*if not caught up now you are lost!!*)	p.85-6, 8	
10	10/25	ANOVA One-Way: Multiple Groups; ANOVA 2-Way	8 & 9	
11	11/1	ANOVA MULTI-FACTOR: Multiple IV's	10	
12	11/8	Interaction, Working with 2 X 2's [VD]	10	#3 11/10
13	11/15	EXAM MON., Regression & correlation: Using uniqueness	11	
14	11/22	Reg & Corr. cont., Perspective: Which statistic? [Thkg]	11, 13	
15	11/29	Chi-square, Interaction revisited	12	#4 12/1 12:55
Final (12/1)		Partly cumulative Final, Wed. 12/1 12:55		