

PSY 270 Statistical Methods in Psychology <u>Lecture</u> Meets in HH 130		PSY 271 Data Analysis in Psychology <u>Labs</u> Meet in LS 005	
Section 1	M W 5-6:15	Section 4	M W 11-11:50
Section 2	“ “	Section 5	M W 12-12:50
Section 3	“ “	Section 8	M W 3-3:50
Section 4	“ “	Section 11	T TH 9-9:50
Section 5	“ “	Section 13	T TH 11-11:50
Section 6	“ “	Section 18	T TH 4-4:50

This class is an integration of two courses. You must be registered for one of the above PSY 270 sections -- and its associated PSY 271 section -- to be enrolled in the class.

Dr. Melody Sadler

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 Hours: W 2:30-4:30

Teaching Assistants

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619-594-3733 (lab office)	619-594-3733 (lab office)	(none)
(depends on day)	LS 18J	LS 291
T 3:30-4:30 6363 Alvarado Ct. Ste 101, Office 20	T 10-11 TH 10-11	M 4-5 T 3-4
W 1-2 LS 18F		

Goals and Objectives

Choose and conduct appropriate statistical tests (by hand and on the computer).

Interpret statistical results properly. What do they really *mean*?

Understand analyses reported in research journals.

Apply statistical thinking to everyday life (e.g., health and politics).

Course Materials

Text: Gravetter, F.J, & Wallnau, L.B. (2006). Statistics for the Behavioral Sciences (7th Edition).

- An electronic version of the text is available through Course Smart (coursesmart.com)

Course Website on Blackboard: Class lectures will not be available on the web. Handouts, lab assignments, and exam preparation will be posted.

Calculator: You will need a scientific calculator. A basic version with a square and square root function is sufficient. Cost is under \$20.

Course Assignments

PSY 270 Lecture		PSY 271 Labs	
Midterm Exam	40%	Homework Average (after 1 drop)	60%
Final Exam Exam questions will include multiple choice, short answer/short essay, data questions, and computer output questions. Practice exams will be posted approximately one week prior to each exam and a review session will be held a day or two prior to the exam. You may use a calculator and a formula sheet that we provide (with the right side of the equation only) during the exam.	60%	Final Project You will analyze a data set and write a 5 to 6 page APA style paper elaborating the results section.	40%

Course Grades

Your weighted average percentage across assignments will be used to determine your letter grade in each course. Note that the following letter grade ranges are provided as guidelines only. I may curve grades separately for lecture and lab at the end of the course depending on the distribution of overall scores.

A = 93% or above; B = 83 - 92.9%; C = 73 - 82.9%; D = 63 - 72.9%; F = 62.9% or below

Other Coursework Notes

Cheating: Submitted assignments must reflect independent thought. Upon the first evidence of cheating, all students involved will receive a 0 on the assignment. A second offense will warrant an automatic F in the course and filing of an Academic Dishonesty Incidence Report with the Center for Student Rights and Responsibilities. Students may be placed on probation, suspended, or expelled as a result of cheating.

Makeup assignments: Makeup assignments are given in very rare circumstances. If you know you will miss an assignment due to official university business or a religious holiday, please contact me as far in advance as possible (at least 2 weeks) to make arrangements to do the requirement early. If you are sick or there is a family emergency, I will require documentation in order to allow you to make up work.

Disability: If you qualify for accommodations because of a disability, please from Student Disability Services to me in a timely manner so that your needs may be addressed. SDS determines accommodations based on documented disabilities (619-594-6473, <http://www.sa.sdsu.edu/sds/index.html>, Calpulli Center, Suite 3101 (third floor)).

Lecture Schedule

Dates	Topic
9/1 – 10/15 Labs begin Mon 9/8 LS 005	<u>Research Methods & Descriptive Statistics</u> Ch 1: Introduction to Statistics Ch 2: Frequency Distributions Ch 3: Central Tendency Ch 4: Variability <u>Logic Behind Inferential Statistics</u> Ch 5: Z-scores Ch 6: Probability (not from book) Ch 7: Probability & Samples – The Distrib. of Sample Means Ch 8: Introduction to Hypothesis Testing <u>Inferential Statistics for to Test One or Two Means</u> Ch 9: Introduction to the t Statistic Ch 10: The t test for Independent Samples Ch 11: The t test for Related Samples Ch 12: Estimation
Monday 10/20	Midterm Exam
10/11 – 12/1	<u>Inferential Statistics for Difference between Several Means</u> Ch 13: Introduction to Analysis of Variance Ch 15: Two-Factor Analysis of Variance <u>Inferential Tests for Prediction</u> Ch 16: Correlation Ch 17: Regression Integration of All Statistical Tests (not from book)
Wednesday, 12/3	Final Exam (administered in lecture)
12/8 – 12/10	No lectures. Work on final projects. Although there is no formal class, the instructor will be available during normal lecture hours and TAs will be available during normal lab hours. Email projects to your TA no later than 5:00 on Monday, 12/15.