PSYCHOLOGY STATISTICS LAB
Weber State University
Psychology 3605, Spring 2012

Class Times:	Wednesday 7:00 - 8:30 a.m. in SS 325
Professor:	Seth Wilhelmsen, M.S.
Office & Office Hours:	SS 138 – By appointment mainly, but often will be available Wednesdays 8:30 -10:00 a.m.
Contact Information:	E-mail: sethwilhelmsen@weber.edu
	Office #: 801-626-7809
Text:	Salkind, N. J. & Green S. B. (2011). SPSS: QuickStarts. Pearson Educational.

Learning Objectives

In this lab, students will learn to:
1. Identify the appropriate statistical procedures for many basic research questions.
2. Transfer data from Excel files into SPSS.
3. Manipulate files and create variables in SPSS.
4. Conduct the appropriate statistical analysis using SPSS.
5. Test for statistical assumptions.
6. Interpret statistical analysis and their corresponding output from SPSS.
7. Report and summarize statistical analysis in APA style.
8. Understand statistical analysis in psychological reports.

Evaluation of Course Work

Attendance: Class participation and discussion will occur on a regular basis. In addition, all assignments will be given and explained during class. Attendance and participation will be recorded each session. Each day of participation will be worth 7 points for a total of 105 points. 100 points **make up 20% of your final grade.** There is the potential for 5 extra points for perfect attendance.

Statistical Analysis and Graphical Presentation Lab Assignments: There will be 11 lab assignments that will require running a statistical analysis (see outline for statistics to be covered) on SPSS, graphically displaying your results, and verbally describing the results. There will be a conceptual and an application component to each assignment. These assignments will be due at the end of class on their specified due dates. Due dates are listed on the class calendar. Your lowest assignment score will be dropped. Your ten highest scored assignments will be worth 20 points each and together will **make up 40% of your final grade.** Late assignments will be penalized 1 point for each date they are late (weekends count as two days, Sat. & Sun.). Late assignments are better than no assignments.

Lab Quizzes: There will be three lab quizzes that will assess conceptual understanding of the relevant statistical analyses, ability to correctly run the analyses in SPSS, and ability to represent results graphically and verbally. Quiz dates are listed on the class calendar. Each quiz will be worth 20 points and then, together, weighted to **make up 40% of your final grade.** Late quizzes will be penalized 3 points for each day late (weekends count as two days, Sat. & Sun) unless arranged with me prior to the quiz date.

Student Disability

Weber State University is committed to equal opportunity in education for all students, including those with documented physical disabilities or documented learning disabilities. Weber State University policy states that it is the responsibility of students to contact Services for Students with Disabilities (SSD) in room 181 of the Student Service Center. SSD can also arrange to provide course materials (including this syllabus) in alternative formats if necessary. The instructor will meet with the student and staff members of the SSD to formulate a written plan for appropriate accommodations, if required.

Calculation of Grades

10 Lab Assignments	(20 pts. ea.)	Lab % _____ X .4 (weight) = _____ +
3 Lab Quizzes	(20 pts. ea.)	Quiz % _____ X .4 (weight) = _____ +
Attendance	(7 pts. ea.)	Att % _____ X .2 (weight) = _____ = Class %____

Grade Cut-offs

A	94-100%	C	74-76%
A-	90-93%	C-	70-73%
B+	87-89%	D+	67-69%
B	84-86%	D	64-66%
B-	80-83%	D-	60-63%
C+	77-79%	E	0-59%

Excused Absences for University-Recognized Activities

Students who will be absent while representing the University in officially recognized University activities (sports, band, professional conferences, etc.) must notify the instructor ten days prior to absence. Students will be permitted to make up both assignments and examinations in consultation with their instructors. Labs missed for these reasons and with proper notification will not count against the attendance portion of final grades.

Class Contact: *At times it is necessary to miss a part or all of class. When this happens, it is helpful to have the name and number of another student in the class you can call to answer any questions you may have about any information missed, etc. Please use the space below to write down the name, email, and phone number of at least one student in this class who you can contact:*_____

Academic Concerns

Please see me early in the semester if you feel you are struggling in this lab. It is often too late to discuss strategies for grade improvement in the last week of the semester and especially once the semester has ended.

Academic Honesty

Students in this lab and all WSU courses are expected to abide by the conditions set forth by the WSU Student Code found at: http://www.weber.edu/ppm/Policies/6-22_StudentCode.html section IV, part D. Instances of copying material, unauthorized collusion, using unauthorized materials during quizzes, and other forms of cheating will be reported to the Dean of Students

and will likely result in sanctions. These sanctions could include failing the quiz or assignment, failing the class, and dismissal from the university.

This Syllabus

It is in your interest to keep this syllabus handy and refer to it often throughout the semester. You can use the calendar below to prepare for lab sessions and cover material missed due to absence. Furthermore, recording attendance, lab assignment grades, and review assignment grades will allow you to track progress in the lab.

Lab Schedule

Date	Topics Covered	Due
Jan 4	Syllabus ~ Citrix, Navigating SPSS & Excel	
Jan 11	Creating & Manipulating SPSS data files	HW #1 due
Jan 18	Descriptive Statistics	HW #2 due
Jan 25	Graphing in SPSS & Excel	HW #3 due
Feb 1	Z-tests & transformations	HW #4 due
Feb 8	**Review and Quiz #1**	
Feb 15	Dependent & Independent t-tests	HW #5 due
Feb 22	One Way ANOVAs	HW #6 due
Feb 29	Repeated-Measures ANOVAs	HW #7 due
Mar 7	Two-Way ANOVAs	HW #8 due
Mar 14	**SPRING BREAK**	
Mar 21	**Review and Quiz #2**	
Mar 28	Correlation	HW #9 due
Apr 4	Regression	HW #10 due
Apr 11	Factor Analysis	HW #11 due
Apr 18	**Review and Quiz #3**	

NOTE: This schedule is likely to change as necessary and it is your duty to attend class to learn about the changes.

How can I be successful in this course?

- Set up a study schedule, study regularly, and keep up
- Keep up on the homework
- Read the Textbook
- Integrate notes from book and lecture
- Study and work with other students
- Don't miss any class

Start your studying and organization of information on the FIRST day!!!

Grade Record

Please keep a record of the grades you receive on all of your work. This will help insure that you are always aware of you academic progress in this class. Please note the dates of any absences you have had.

Attendance

Participation #1	_____	Jan 4
Participation #2	_____	Jan 11
Participation #3	_____	Jan 18
Participation #4	_____	Jan 25
Participation #5	_____	Feb 1
Participation #6	_____	Feb 8
Participation #7	_____	Feb 15
Participation #8	_____	Feb 22
Participation #9	_____	Feb 29
Participation #10	_____	Mar 7
Participation #11	_____	Mar 21
Participation #12	_____	Mar 28
Participation #13	_____	Apr 4
Participation #14	_____	Apr 11
Participation #15	_____	Apr 18

Assignments

#1 _____
#2 _____
#3 _____
#4 _____
#5 _____
#6 _____
#7 _____
#8 _____
#9 _____
#10 _____
#11 _____

Quizzes

#1 _____
#2 _____
#3 _____