Psychology 3600: Statistics in Psychology
Fall 2008
TR 10:00 - 11:15
SS 378

Professor: Dr. Aaron Ashley
Office: SS 360
Office Hours: MWF: 10:00 – 11:00
T: 4:30 – 5:30
TR: 11:00 – 12:00
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Required Text: Gravetter, F. J., & Wallnau, L. B. (2007). *Essentials of statistics for the behavioral sciences,* 6th ed. Belmont, CA: Wadsworth/Thomson Learning.

Supplemental Text: Gravetter, F. J. (2007). Study *Guide for Gravetter and Wallnau's Essentials of statistics for the behavioral sciences,* 6th ed. Belmont, CA: Wadsworth/Thomson Learning.

Course Description and Goal: This course is an introduction to descriptive statistics and statistics of inference with specific emphasis on the computation, application, and interpretation of various elementary statistics. In this course, you will gain an understanding of descriptive and inferential statistics with a strong emphasis on the theoretical aspects of statistical decision-making.

Grades: Your final course grade will come from your performance on homework assignments (20 points each), exams (100 points each), a comprehensive final (200 points), a take-home final exam (100 points), and class participation (100 points). Your final grade will be based on the percentage of total points obtained relative to the total points available. The following percentage-letter grade equivalents shall apply.

A	**90 - 100%**	**C+**	**77 - 79%**	**D+**	**67 - 69%**
B+	**87 - 89%**	**C**	**73 - 76%**	**D**	**63 - 66%**
B	**83 - 86%**	**C-**	**70 - 72%**	**D-**	**60 - 62%**
B-	**80 - 82%**	**E**	**< 60%**		

Homework: There will be ten homework assignments during the course of the semester. The majority of these assignments will require you to analyze data via computer programs (e.g., excel and SPSS) and provide an APA style results section.

Exams: There will be five exams, a comprehensive final, and a take-home exam. Exams will be multiple choice, short answer, and computational.

Testing Center Hours: All exams will be taken in the Social Science Testing Center, located in the basement of the Social Science Building (SS 036). In order to take

an exam, you must show up at the center on the correct day(s), during testing center hours, and with a picture ID. You will not be allowed to take the exam without a picture ID, or if you come after the hours specified. You will also need a calculator, #2 pencil, and 10¢ to purchase a scantron form.
Make-up Exams: As you will have a free class period in which to complete each exam **make-up exams will be subject to a penalty of 10 points per day (including weekends and holidays). There are NO EXCEPTIONS to this policy!**

Course Policies and Expectations:

Attendance: The student is responsible for all lecture materials and announcements made in class whether you are present or not. I do not take attendance on a daily basis. However, I believe that class attendance plays an integral part in learning the material, especially in statistics. Although there is tremendous overlap between the material in the text and that presented in class, class discussions and group activities help reinforce the learning of the material. Also, some exam items will tap only material presented in either class or in the text. Therefore, it is to your advantage to attend every class and to obtain class notes when circumstances do not permit. If you must miss class, it is suggested that you read the assigned materials and obtain the class notes from a classmate.

If you must miss class, **do not** contact me with questions about what was covered in class. At this point, you are to obtain the names, email addresses, and phone numbers of four of your class mates. These are the people that you should contact in case of a class absence. Only after contacting these individuals, obtaining class notes, and preparing the assigned materials are you to contact me. I'm happy to help you learn the material, but only after you have taken the time to prepare and review what you have missed.

Name: _____ Email: _____ Phone:_____

Name: _____ Email: _____ Phone:_____

Name: _____ Email: _____ Phone:_____

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Classroom Courtesy:

Cell phones/beepers/laptops: Leave **all** electronic devices turned off during class. I do not want to see any cell phones or laptops out during the class period. You can text message and email your friends during the other twenty-one and a half hours and ten minutes of the day, but not during this class. This behavior is not only rude, but is also extremely disruptive. A first warning is forgetfulness. A second warning (and subsequent warnings) will result in five points off your final total points for each occurrence.

Discriminatory Harassment: Weber State University is committed to providing an environment free from harassment and other forms of discrimination based upon race, color, ethnic background, national origin, religion, creed, age, lack of American citizenship, disability, status of veteran of the Vietnam era, sexual orientation or preference or gender, including sexual/gender harassment. Such an environment is a necessary part of a healthy learning and working atmosphere because such discrimination undermines the sense of human dignity and sense of belonging of all people in the environment. Thus, students in this class should practice professional deportment, and avoid treating others in a manner that is demeaning or derisive in any respect.

While diverse viewpoints and opinions are welcome in this class, in expressing them, we will practice mutual deference so important in the world of work. Thus, while I encourage you to share your opinions, when appropriate, you will be expected to do so in a manner that is respectful towards others, even when you disagree with them.

If you have questions regarding the university's policy against discrimination and harassment you may contact the university's AA/EO office (626-6239) or visit its website: http://departments.weber.edu/aaeeo/ .

Academic dishonesty policy: Weber State University imposes specific disciplinary actions in response to incidents of academic misconduct (cheating, plagiarism, etc.). These actions may include admonition, failing grade, failure of course, disciplinary probation, suspension, and dismissal. The specified policies can be found in the WSU Student Code at http://documents.weber.edu/ppm/6-22.htm . Cheating will not be tolerated in this or any class at WSU. Any student caught cheating or plagiarizing on any assignment will result is a grade of E. It is your responsibility to understand what constitutes plagiarism, if you have any questions about what constitutes plagiarism ask. Ignorance of the law is no excuse.

Accommodation for Students with Disabilities:
Any student requiring accommodations or services due to a disability must 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.

Weber State University policies regarding Services for Students with Disabilities are available on the http://weber.edu/ssd website.

A note on grades: Statistics is a course that many students struggle with. It is expected that you will spend a substantial amount of time outside of class going through the material and working practice problems. If you expect to pass this course, you should be willing to spend an hour per day outside of class working practice problems and going through the material. If you would like to make an A in this course, then you should be willing to put in two hours per day outside of class. I would highly suggest forming a study group with 4-5 other students with whom you can discuss material and go through problems. Again, this course will require you to put in a

substantial number of hours outside of the class room; simply coming to class and reading the book will not ensure a passing grade.

TENATIVE CLASS SCHEDULE AND ASSIGNMENTS

Tuesday Aug. 26		
Thursday Aug. 28	Overview	
Tuesday Sept. 2	Intro to Stats	
Thursday Sept. 4	Frequency Distributions	
Tuesday Sept. 9	Central Tendency	
Thursday Sept. 11	Variability	
Tuesday Sept. 16	Correlation & Regression	
Thursday Sept. 18		
Tuesday Sept. 23	**EXAM 1**	**8:00 – 12:00**
Thursday Sept.25	Z-Scores	
Tuesday Sept. 29	Probability	
Thursday Oct. 2	Probability & Samples	
Tuesday Oct. 7	Hypothesis Testing	
Thursday Oct. 9	**EXAM 2**	**8:00 – 12:00**
Tuesday Oct. 14	Introduction to the *t* Statistic	
Thursday Oct. 16	Independent Samples *t* Test	
Tuesday Oct. 21	Related Samples *t* Test	
Thursday Oct. 23	**EXAM 3**	**8:00 – 12:00**
Tuesday Oct. 28	Introduction to ANOVA	
Thursday Oct. 30		
Tuesday Nov. 4	Repeated Measures ANOVA	
Thursday y Nov. 6		
Tuesday Nov. 11		
Thursday Nov. 13	**EXAM 4**	**8:00 – 12:00**
Tuesday Nov. 18	Two-Factor ANOVA	
Thursday Nov. 20		
Tuesday Nov. 25	Non-Parametric Test Statistics	
Thursday Nov. 27	**NO CLASS (Thanksgiving Break)**	
Tuesday Dec. 2		
Thursday Dec. 4	**EXAM 5**	**8:00 – 12:00**
Thursday Dec. 11	**FINAL EXAM**	
Dec. 11	**Take-Home EXAM Due**	**5:00**

*Please remember, this schedule is tentative and subject to change at the Instructors discretion.

Class Syllabus Acceptance Page

I have read the accompanying class syllabus. I have had all my questions relating to the syllabus (i.e., the class and class schedule) answered. I fully understand and am willing to follow all of the expectations, rules, and assignment dates associated with the class.

_____

Printed Name

_____ _____

Signature Date