Southeastern Oklahoma State University  
Department of Behavioral Sciences

STATISTICS FOR BEHAVIORAL SCIENCES
PSY 3313/SOC 3313  
3 credits
Spring 2019
T/Th 4:15-5:45
SIDE (Synchronous Interactive Distance Education) Idabel to McAlester, Grayson, Ardmore

Instructor: Susan Spencer, MLS  
Office: D-309 – McCurtain Co. Campus  
Office Hours: by appointment  
E-mail: sspencer@se.edu  
Phone: 580/376-5214

Scientific Calculator (required); Study Guide (recommended)

Essentials of Statistics for The Behavioral Sciences, 9th Edition

Frederick J Gravetter; Larry B. Wallnau; Lori-Ann B. Forzano  

Prerequisites: PSY 1113 – Introduction to Psychology &  
PSY 2333 – Introduction to Research and Writing in Psychology (Psy Majors)  
SOC 1113 – Introduction to Sociology &  
SOC 3003 – Introduction to Social Research (Soc Majors)
Course Description: Calculating statistics and interpreting the results in solving problems in psychology and sociology.

Course Objectives: The primary purpose of this course is to familiarize you with basic statistical concepts and some of the most widely used statistical techniques in psychology and other behavioral sciences.

Course Goals: Throughout the course of this semester, you will learn to:

- Describe the nature of scientific inquiry in the behavioral sciences (Program Outcome 2.1).
- Define and understand both descriptive and inferential statistics (Program Outcome 5.1).
- Understand the meaning and implications of the normal curve (Program Outcome 5.1).
- Understand different statistical techniques and recognize appropriate uses for different tests (Program Outcome 5.1).
- Read and report statistical findings in APA style (Program Outcome 3.1).
- Increase your ability to transfer an understanding of science to everyday applications and decisions (Program Outcome 7.1).

Course Requirements

Class Expectations: You are expected to attend EVERY class. If you miss a lecture, it is your responsibility to obtain notes from a classmate. Although the lectures follow the same outline as the book, additional information will frequently be presented in class. Therefore, class attendance is necessary in order to do well in this course. You are also responsible for any missed announcements, including changes to the course schedule. Please turn off your cell phones before class begins!

Attendance: Daily attendance is strongly recommended. Please make it your priority to attend class regularly otherwise you will fall behind quickly.

Scientific Calculator: You are expected to read the instructions on your calculator and know how to operate it on the first day of class.

1. Research Component - Sona points (30 Sona points required, 50 Sona points maximum)

The field of psychology is research intensive. All students in this course will learn how research in psychology is conducted and interpreted. There are three options for fulfilling the research experience component of the course, (a) sign up on Sona-Systems, se.sona-systems.com, and participate in online or face-to-face research studies, (b) complete Service Learning Component, see document titled, “Sona Points handout for Psychology courses,” and/or (c) write a 500-word paper covering a topic approved by your Instructor. Each student can earn a maximum of 50 Sona points per semester. Students failing to complete 30 Sona points will have their final course grade reduced by one letter grade. To read more details, click on the Sona weblink on
Blackboard, se.sona-systems.com or see the information sheet entitled SONA POINTS HANDOUT. To help in the learning process, here is a video tutorial on how to begin using Sona-Systems software:

- [https://www.youtube.com/watch?v=1OnT2ZU6QQ](https://www.youtube.com/watch?v=1OnT2ZU6QQ)

To log-in to Sona-Systems, click here:

1. [se.sona-systems.com](se.sona-systems.com)

**SONA Points due dates for Spring 2018** (add these dates into your planner)

Complete pre-screener by 1/28 to earn your first 5 Sona points

Log-in weekly to check if any studies or opportunities are posted

Sona closes at 11:59 p.m. on 4/22

30 Required SONA points for this course and up to 20 more bonus points.

**IMPORTANT:** Research points will not be accepted three weeks before, during, or after final exam week. No exceptions. Please place these dates into your planner so you can make sure to manage your time appropriately.

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**Exams:** There will be 6 exams administered over the course of the semester, including a cumulative final. Each exam is worth 100 points. The exams will assess your understanding of the material covered in lectures and in the textbook. Exams will contain a combination of multiple-choice, and word/number problems. The dates of these exams are listed on the attached
course schedule. These dates are tentative and are subject to change depending on the pace of the class.

**Homework:** Homework will consist of statistical/mathematical problems. Homework may be done in groups, but each person must hand in a separate assignment, and all work must be shown. Homework must be turned in at the beginning of class on the day it is due.

**Final Exam:** The final exam for this course is scheduled for **Tuesday, May 8 during our regularly scheduled class time.** Plan your schedule accordingly. The final will be worth 100 points.

**Make-up Exams:** Make-up exams will be allowed only if the student has a valid reason for missing the exam. The student should contact the instructor at the earliest possible date to discuss the possibility of a make-up exam, and the student may be asked for documentation regarding the absence. If it is necessary to take a make-up exam, it must be taken within one week of the original exam. If you become aware of a scheduling problem that conflicts with the course exam schedule, please bring it to my attention as soon as possible so that we may schedule a make-up. Failure to contact me about a missed exam in a timely manner may forfeit your opportunity to take the make-up exam.

**Extra Credit:** Extra credit will occasionally be awarded for participation in class activities.

**Cheating and/or Plagiarism:** Cheating is strictly prohibited and will be penalized accordingly. If caught cheating, you will receive a “0” for the exam. If a second offense occurs, you will receive a failing grade for the course and your case will be referred to the Office of Student Affairs.

**Points:** Your grade in this class will be based on a number of exams and assignments. The break-down for grading is as follows:

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<tbody>
<tr>
<td>Exams</td>
<td>100 points X 6 =  600 points</td>
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<tr>
<td>Homework</td>
<td>30 points X 6 =  180 points</td>
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<td>=  780 points</td>
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<td>SONA</td>
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**Grading:** Excluding extra credit, course performance is based on a total of 810 possible points during the semester. **There will be no curves in this class.** Final grades will be based on the following scale:

- 810-729 points = A
- 728-648 points = B
- 647-567 points = C
- 566-486 points = D
- <485 points = F
Accommodations: Any student needing special accommodations due to a disability should contact the Coordinator for Disability Services, GDJ Student Union, Room 328 or call (580) 745–2392 (TDD# 745–2704). It is the responsibility of each student to make an official request for accommodations to the Coordinator.  

Please note, Faculty members are not permitted to accommodate students. All students requiring assistance must contact the Office of Disability Services.

Counseling Center: Any student experiencing mental or emotional issues who desires free, confidential, clinical counseling is encouraged to contact the SE Counseling Center at (580) 745-2988 to schedule an appointment during normal working hours Monday – Friday, 8:00 AM to 5:00 PM. For after-hours mental health emergencies, please call SE Campus Police at (580) 745-2911 or the Mental Health Crisis Hotline at 1-(800) 522-1090.

Weather: For questions concerning cancellation of classes due to poor weather conditions, please call 580-745-7272 (1-800-435-1327, ext. 7272) or visit the SE website at www.se.edu.

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<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Assigned Reading</th>
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<tr>
<td>01/15</td>
<td>Syllabus and Course Overview</td>
<td>Appendix A</td>
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<td>01/17</td>
<td>Introduction to Statistics</td>
<td>Gravetter 1</td>
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<td>01/22</td>
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<td><strong>Appendix A Homework Due (Bonus)</strong></td>
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<td>01/24</td>
<td>Frequency Distributions</td>
<td>Gravetter 2</td>
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<td>01/29</td>
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<td>01/31</td>
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<td>Central Tendency</td>
<td>Gravetter 3</td>
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<td>02/07</td>
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<td>02/12</td>
<td>Variability</td>
<td>Gravetter 4</td>
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<td>02/26</td>
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<td>03/19</td>
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<td>03/28</td>
<td>Hypothesis Testing</td>
<td>Gravetter 8</td>
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<tr>
<td>04/02</td>
<td>Hypothesis Testing</td>
<td>Gravetter 8</td>
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04/04  
Exam 4/Homework 4 Due

04/09  t-statistic Introduction  Gravetter 9
04/11  t-statistic Introduction  Gravetter 9
04/16  Chi square  Gravetter 15
04/18  Chi square  Gravetter 15

04/23  
Exam 5/Homework 5 Due

04/25  Correlation  Gravetter 14
05/02  Correlation  Gravetter 14
05/07  Correlation  Gravetter 14
05/09  Correlation  Gravetter 14

05/25  Final Exam (4:15 p.m. to 6:15 p.m.) Homework 6

Advisement

All students must be advised each semester before enrolling. You may contact the Advising
Center (advising@se.edu or 580.745.2370) or your major advisor to make an appointment.

SE Refund/Drop Policy

Once a student selects classes and enrolls/pre-enrolls, the student is considered to be “officially
enrolled” and is responsible for all tuition/fees incurred. Dropping/withdrawing from courses is
the sole responsibility of the student. Southeastern does not automatically cancel a student’s
enrollment for non-payment of tuition/fees.

During the first two weeks of each semester, students who are reported as “Never Attended” in
100% of all their courses will be administratively cancelled from all enrollment for the semester.

University and School Policies:
Privacy: Available through the Southeastern Online Learning website or
http://homepages.se.edu/online-learning/
http://www.se.edu/academics/general-information/students-rights/

Academic Integrity: Available through the Southeastern Online Learning website or

Special Accommodations:
Any student needing special accommodations due to a disability should contact the
Coordinator of Student Disability Services, Student Union, Suite 328 or call (580) 745-2392
(TDD#745-2704). It is the responsibility of each student to make an official request to the
Coordinator for academic accommodations. For additional information, see the Americans
with Disability Act on the Southeastern Online Learning website or http://www.se.edu/ada/

Any student experiencing mental or emotional issues who desires free, confidential, clinical counseling is encouraged to contact the SE Counseling Center at (580) 745-2988 to schedule an appointment during normal working hours Monday – Friday, 8:00 AM to 5:00 PM. For after hours mental health emergencies, please call SE Campus Police at (580) 745-2911 or the Mental Health Crisis Hotline at 1-(800) 522-1090.

Inclement Weather: Students may call the following numbers for closing information due to inclement weather:
Off–Campus: (580)745–7272
On–Campus: ext. 7272
Idabel, McAlester and Grayson: Check website (call me if we are having class but you can not attend due to weather.
If possible, the decision to close will be made the evening before prior to the ten o'clock news and no later than 6:00 a.m. the morning of the possible closing. Closings will be broadcast on local radio and television stations.