

## Common Course Syllabus for PSYC 2317

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|---------------------------------|--|---|
| <b>Course Number:</b> PSYC 2317 | <b>Department:</b> Behavioral Sciences           | <b>Title:</b> Statistical Methods in Psychology   |
| <b>Discipline:</b> Psychology   | <b>Campuses:</b> Levelland, Reese                | <b>Satisfies Core Curriculum Requirement?</b> Yes |
| <b>Prerequisites:</b> none      | <b>Credit:</b> 3 <b>Lecture:</b> 3 <b>Lab:</b> 1 | <b>Available Formats:</b> Face-to-face            |

**Course Specific Instructions:** For face-to-face classes, each instructor will attach his/her course specific instructions.

**Textbook:** Privitera, G. (2018). Essential Statistics for the Behavioral Sciences (2nd ed.). Thousand Oaks, CA: SAGE Publications.

**Course Description:** This course covers descriptive and inferential statistics used in psychological research and assessment. It includes measurement, characteristics of distributions; measures of central tendency and variability; transformed scores; correlation and regression; probability theory; and hypotheses testing and inference. (PSYC 2317 is included in the Psychology Field of Study).

**Course Purpose:** To acquaint students with various statistical research methods used in psychology. In addition, explain how statistics are used to analyze data collected in psychological research, and how statistics contribute to hypothesis testing in psychological research.

**Course Requirements:** To maximize the potential to complete this course, students should attend all class meetings and/or login to internet courses at least twice weekly. In addition, satisfactorily complete all homework assignments and examinations on time, and satisfactorily complete all other projects or papers as assigned in the course instructions.

**Course Evaluation:** See instructor's course information sheet for specific items used in evaluating student performance.

**Student Learning Outcomes/Competencies:** Upon successful completion of this course, students will:

1. Compute and interpret empirical and theoretical probabilities.
2. Define and explain the characteristics of data based on their reliability, validity, and scales of measurement.
3. Interpret visual representations of data, such as graphs and tables.
4. Compute and interpret descriptive statistics, such as mean, median, and mode; standard deviation and range; and transformed scores.
5. Compute and interpret inferential statistics and tests, such as z test, t test, ANOVA, and Chi-Square.
6. Calculate, evaluate, and interpret simple linear correlation/regression.
7. Construct and interpret confidence intervals.
8. Examine, analyze, and compare various sampling distributions.
9. Formulate, perform, and interpret hypotheses tests.
10. Identify the appropriate statistical analyses for given research problems, questions, hypotheses, and data sets.

11. Apply statistical knowledge to the interpretation of psychological research.
12. Explain features and purpose of statistical software packages. CIP #  
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**Core Objectives addressed:**

- **Communication skills**- effective written, oral and visual communication.
- **Critical thinking skills**- creative thinking, innovation, inquiry & analysis, evaluation & synthesis of information.
- **Empirical and Quantitative skills**-the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
- **Social Responsibility**- demonstrating intercultural knowledge and competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national and global communities.

**Attendance Policy:** Students are expected to attend all classes in order to be successful in a course. The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus. When an unavoidable reason for class absence arises, such as illness, an official trip authorized by the college or an official activity, the instructor may permit the student to make up work missed. It is the student's responsibility to complete work missed within a reasonable period of time as determined by the instructor. Students are officially enrolled in all courses for which they pay tuition and fees at the time of registration. Should a student, for any reason, delay in reporting to a class after official enrollment, absences will be attributed to the student from the first class meeting. Students who enroll in a course but have "Never Attended" by the official census date, as reported by the faculty member, will be administratively dropped by the Office of Admissions and Records. A student who does not meet the attendance requirements of a class as stated in the course syllabus and does not officially withdraw from that course by the official census date of the semester, may be administratively withdrawn from that course and receive a grade of "X" or "F" as determined by the instructor. Instructors are responsible for clearly stating their administrative drop policy in the course syllabus, and it is the student's responsibility to be aware of that policy.

It is the student's responsibility to verify administrative drops for excessive absences through MySPC using his or her student online account. If it is determined that a student is awarded financial aid for a class or classes in which the student never attended or participated, the financial aid award will be adjusted in accordance with the classes in which the student did attend/participate and the student will owe any balance resulting from the adjustment.

**Student Conduct:** A high standard of conduct is expected of all students. Students are subject to federal, state and local laws, as well as South Plains College rules and regulations. Any student who fails to perform according to expected standards may be asked to withdraw. Failure to comply with lawful direction of a classroom teacher relative to maintaining good order is considered misconduct on the part of the student. Repeated violations of disrupting a class may result in the student being dropped from that course (See Catalog/Student Guide for full policy).

**Diversity & Equal Rights:** South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. All students are entitled to equal rights under the affirmative action and equal opportunity laws. Students are also

protected against unjust or biased academic evaluation, but at the same time, they are responsible for maintaining standards of academic performance established for each course in which they are enrolled (See Catalog/Student Guide for full definitions and policies). The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President of Student Affairs.

**ADA Statement:** Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland Student Health & Wellness Center 806-716-2529; Reese Center (Building 8) and Lubbock Center, 806-716-4675; or Plainview Center Main Office, 806-716-4302 or 806-296-9611.

**Title IX Pregnancy Accommodations Statement:** If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact Chris Straface, Director of Health and Wellness at 806-716-2362 or email [cstraface@southplainscollege.edu](mailto:cstraface@southplainscollege.edu) for assistance.

**Academic Integrity:** The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders that offender liable to serious consequences, possibly suspension. This policy applies to all forms of cheating and plagiarism. See Instructor's Course Information for additions to the academic integrity policy.

**Campus Carry Policy:** The 84th Texas legislature passed Senate Bill 11, commonly known as the "campus carry" bill went into effect on August 1, 2017. Individuals holding a licensed to carry (LTC) or concealed handgun license (CHL) holders will have the legal right to carry a concealed handgun onto community college campuses; however, they **cannot** openly carry the handgun. South Plains College's detailed policy required by Senate Bill 11 can be found at this link: [Policy HHC - Concealed Carry of Handgun \(Campus Carry\)](#). **What Concealed Carry Allows:** (1) The law permits only licensed to carry (LTC) holders or concealed handgun license (CHL) holders to carry concealed handguns on campuses. (2) Allows an institution to adopt rules or regulations that prohibit license holders from carrying concealed handguns on certain areas of campus, in a building or portion of a building as long as the rules and regulations do not have the effect of generally prohibiting a license holder from carrying a concealed handgun on campus. Effective notice must be provided with respect to any place where handguns may not be carried. **What Concealed Carry Does Not Allow:** (1) The law does ***not*** allow "open carry" on college campuses. Open carry means the intentional display of a handgun, including the carry of a partially or wholly visible handgun stored in a shoulder or belt holster. (2) The law does ***not*** allow the carry of rifles or shotguns on college campuses.

**Face Covering Policy:** It is the policy of South Plains College for the Spring 2021 semester that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. Such behaviors specifically include the

requirement that all students properly wear CDC-compliant face coverings while in SPC buildings including in classrooms, labs, hallways, and restrooms. Failure to comply with this policy may result in dismissal from the current class session. If the student refuses to leave the classroom or lab after being dismissed, the student may be referred to the Dean of Students on the Levelland campus or the Dean/Director of external centers for Student Code of Conduct Violation. Students who believe they have been exposed or may be COVID-19 positive, must contact Health Services, DeEtte Edens, BSN, RN at (806) 716-2376 or [dedens@southplainscollege.edu](mailto:dedens@southplainscollege.edu).

Course Specific Information  
PSYC 2317, section 001

Instructor: Kristina M. Garrett, Ph.D.  
Office: Reese Campus, Building 4, room 405-C  
Office Phone\*\*: 806-716-4732  
E-Mail\*\*: [kgarrett@southplainscollege.edu](mailto:kgarrett@southplainscollege.edu)  
Office hours:

| Day(s)   | Time               | Physical location | Blackboard Collaborate or Calendly link   |
|--|--------------------|-------------------|---|
| Tuesday  | 2:30 pm – 4:00 pm  | AD 144, Levelland | <a href="#">Click here for T 2:30pm office hours</a>                                    |
| Wednesday  | 12:30 pm – 4:00 pm | RC 405C, Reese    | <a href="#">Click here for W 12:30pm office hours</a>                                   |
| Friday   | 10:00 am – 1:00 pm | RC 405C, Reese*   | <a href="#">Click here for F 10am office hours</a>                                      |
| By appointment   |                    |                   | <a href="#">Click here to schedule an appointment for a Zoom meeting using Calendly</a> |
| *If there is a Friday meeting in Levelland, I will be in Levelland instead of Reese. When this happens, I will put a note on my Reese office door and post an announcement on Blackboard and Remind. |                    |                   |   |

\*\* Please note: I prefer to be contacted by email rather than telephone. The phone number listed above rings only in my Reese office, but as you can see from the table above, I spend at least two, and sometimes three, days per week in Levelland. I have voicemail in my Reese office which will get forwarded to my email if you leave a message, but as a general rule, I can get back to you more quickly if you email me rather than call me.

### **POLICIES AND IMPORTANT INFORMATION**

**Student Responsibility:** It is your job, as a student, to know the rules of student conduct laid out in the Catalog and Student Guide, all other South Plains College policies which impact you laid out in the Catalog, and the policies laid out in this syllabus. It is also your job to check email, blackboard, and the calendar of due dates regularly to make sure that you are keeping up with your work. It is also your responsibility to ensure that all of your assignments are exclusively your own work (with credit given for information that comes from another source). Violations of Academic Integrity are serious offenses and within this course can result in penalties which range from receiving a zero (0) on that portion of the assignment to being dropped from the class with an F depending on the severity of the violation (one sentence vs. an entire assignment and first instance vs. repeated infractions) and whether the student repeatedly violates these rules within this course.

**Preparedness:** Part of your job as a student is to come to class prepared. It is expected that you will read the chapters that go with each topic before we begin that topic in class. It is also expected that you will arrive to class on-time, ready and able to take notes and participate in class.

**Flex model chosen:**

This class will be following a Flex model, meaning that it will not be fully face-to-face where you have to be physically present in the classroom to receive the course content, neither will it be a traditional asynchronous online class where assignments have deadlines but you do not have set dates and times you are expected/required to be logged in. Many different class models fall into the category of Flex. This class will be using the model Online Synchronous, meaning that on the days and at the times when our class is scheduled to meet, I will livestream a lecture. I will utilize the equipment in the classroom rather than recording from my office or home (unless I am quarantined, sick and staying away from campus, or the school is locked down). I will offer the opportunity for a limited number of students to be in the classroom while I am livestreaming for additional support, but this number must be lower than the maximum number of students who can safely be in the room and still maintain social distancing. In addition to limiting the number, in keeping with the SPC Face Covering policy, all students who are in the room must keep their face covering on and ensure that it covers their mouth and nose.

**Livestream:**

It is my plan to use Blackboard Collaborate for our livestreamed lecture. However, the backup plan is Zoom. If we are having technical difficulties with Collaborate, I will announce that we are switching to Zoom. If we experience a consistent pattern of problems with Collaborate, then we may make the switch to Zoom permanent. I will NOT require that you have your camera on during the livestream and leaving your camera off may improve the stability of your connection. However, if you want me and your classmates to see your face (or a representation of you, such as a Bitmoji or a picture of a pet), you can select a profile picture in Blackboard. Livestreamed classes will also be simultaneously recorded so that students can re-watch a class later for review. It is certainly preferable to watch and participate in the livestream because that gives you the opportunity to engage with the material, ask me questions, answer questions I post to the class, and discuss with classmates in real time. However, there will be no penalty for missing the livestream and watching the recorded lecture later.

**Attendance:**

Being in the livestream will NOT be used as attendance in this class. There will be an assignment in Blackboard each week which will replace traditional attendance. The attendance assignment for each week will be available from Monday at 8am until Friday at noon (regardless of any holidays which occur during that week). The purpose of these "attendance" assignments is NOT to be punitive, but instead to give me an additional way to know if a student has completely disengaged with the class and needs to be checked on or needs to be administratively dropped with an X to avoid an F in the class to protect their GPA. Students who are extremely limited in their access to technology can request to sit in the classroom while I am livestreaming/recording in order to gain access to the lecture that way, however this option will be unavailable if I am quarantined or if the school locks down and goes to completely remote learning and students who sit in on the livestreamed lecture must be following all COVID-19 guidance (wearing a mask, staying at least 6 feet apart, staying home when showing symptoms or told to quarantine, etc.). In order to control the number of students in the room and ensure that seats go first to those with the most limited access to technology, students MUST submit the online form found on Blackboard. I will accommodate as many students as I safely can, but first preference will be given to those with the most technological difficulties. Students who are

approved to sit in the classroom during the livestream can lose this approval if they do not abide by covid-19 guidance (wear a face mask which covers mouth and nose, maintain 6 feet of distancing, and do not come to class/campus if sick or instructed to quarantine).

## **ASSIGNMENTS**

### **1. Attendance assignments (10 points each; Total of 150 points; 15% of final grade)**

As noted above, there will be an attendance assignment each week. These are very short and easy. Each one will be available from Monday 8am to Friday 12 noon (regardless of any holidays) of the week that it is counting attendance for (e.g. the assignment for the first week, which begins on 1/19 will be available from 8am on 1/18 to noon on 1/22). Each assignment will be worth 4 points.

### **2. Calculation homeworks (90 points each; Total of 450 points; 45% of final grade)**

We will be learning how to calculate by hand as well as learning SPSS, a statistical software package, in this class. For each unit, there will be a homework assignment, which can usually be completed during the arranged lab time. These homeworks will require you to calculate and interpret the various statistics that we are discussing. You may choose between hand calculation, SPSS, or other statistics software programs (but please be aware that if you choose a software program other than SPSS or Microsoft Excel, I might not be able to help you understand how to use it). Instructions for each SPSS homework will be given on Blackboard.

### **3. Exams (100 points each; Total of 400 points; 40% of final grade)**

There will be four exams this semester. Because of the flex model chosen, these exams will be online and the window of time that the exam is available to you will include 1 class day. On that day, there will be no livestream in order to ensure that all students could choose to use class time if there is not another time available when they can devote 75 minutes to this class. The fourth exam (final exam) will count the same as the first three but will be a mix of new material and material from exams one through three. All exams may include a mix of any of the following types of questions: multiple choice, True/False, matching, fill in the blank, short answer/essay. The listing of exam dates is in the course schedule on Blackboard. Exams will be available on Blackboard for three (3) calendar days, from 8 AM on the first day until 11 PM on the third day (a total of 63 hours). If you miss an exam and can demonstrate that there were extenuating circumstances, you will be able to take a make-up exam during finals week. The fourth exam cannot be made up because it is at the very end of the semester.

## **Extra Credit**

Extra credit is optional and therefore is not subject to the late work policy (i.e. the deadline listed below is a deadline, not a due date, and no extra credits will be accepted after the deadline).

Extra credit is added directly to your final grade in the class and is your opportunity to improve your final grade in the class by up to a half letter grade. You may earn a maximum of 50 points of extra credit by doing approved extra credit activities, which can be found on the Blackboard page and may also be announced in class. Some extra credits will have a specific due date, while others will be accepted until Noon on Friday April 30. No extra credit will be accepted after Noon on Friday April 30.

**Final Grade Calculation**

Your final grade will be determined as follows

|  |               |
|--|---------------|
| Attendance assignments (15 @ 10 pts. each) | 150 points    |
| Calculation homeworks (5 @ 90 pts. each)   | 450 points    |
| Exams (4 @ 100 pts each)                   | 400 points    |
| <hr/>                                      |               |
| Total                                      | 1000 points * |

\*Please note that if a student opts to do extra credit, that student could earn up to 1050 points out of 1000 (or 105%).

Your letter grade will be based on the following percentages:

|               |   |
|---------------|---|
| 90% and above | A |
| 80%-89%       | B |
| 70%-79%       | C |
| 60%-69%       | D |
| <60%          | F |

Please note: if your final grade reflects a percentage that is not a whole number (e.g. 69.2 points is 69.2%), it is my policy to round up that percentage to the next whole number (e.g. 69.2% rounds to 70%).