

Common Course Syllabus for PSYC 2317

Course Number: PSYC 2317	Department: Behavioral Sciences	Title: Statistical Methods in Psychology
Discipline: Psychology	Campuses: Levelland, Reese	Satisfies Core Curriculum Requirement? No
Prerequisites: none	Credit: 3 Lecture: 3 Lab: 1	Available Formats: Face-to-face

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

Textbook: Cote, L.R., Gordon, R., Randell, C.E., Schmitt, J., & Marvin, H. (2021). Introduction to Statistics in the Psychological Sciences Open Educational Resources Collection 25. Available at <https://irl.umsi.edu/oer/25>

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 # 42.0101.52 25

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.

Relevant SPC Policies & Procedures

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. See Course Information Sheet in individual courses for more information on course attendance policy.

Academic Integrity Policy: It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of 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 the offender liable to serious consequences, possibly suspension.

- **Cheating:** Dishonesty of any kind on examinations or on written assignments, illegal possession of examinations, the use of unauthorized notes during an examination, obtaining information during an examination from the text- book or from the examination paper of another student, assisting others to cheat, alteration of grade records, illegal entry or unauthorized presence in an office are examples of cheating. Complete honesty is required of the student in the presentation of any and all phases of course work. This applies to quizzes of what- ever length, as well as to final examinations, to daily reports and to term papers.
- **Plagiarism:** Offering the work of another as one's own, without proper acknowledgment, is plagiarism; therefore, any student who fails to give credit for quotations or essentially identifiable expression of material taken from books, Internet resources, encyclopedias, magazines and other reference works, or from the themes, reports or other writings of a fellow student, is guilty of plagiarism.

See *South Plains College Student Guide* and *South Plains College General Catalog* for more information.

See instructor's course information sheet for more information.

Student Conduct Policy:

- **Classroom Conduct:** 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 *South Plains College Student Handbook* for full policy covering other areas of conduct including penalties for misconduct and procedures for disciplinary action.

Grade and Academic Discipline Appeals: South Plains College provides two procedures which allow students the opportunity to address grievances of an academic nature.

- **Appeal Restrictions:** Only final grades or dismissal resulting from academic discipline will be considered. The instructor's teaching ability or expertise will not be considered during the hearing. No grade or disciplinary action can be formally appealed after a period of six (6) months from the date that the student is informed
- **Informal Appeal**
 - The student should schedule an appointment with the instructor of the course to discuss the final grade or disciplinary action.
 - If the student is still not satisfied, she should schedule an appointment with the appropriate departmental chairperson to discuss the situation. The chairperson may request that the instructor also be present.
 - If the student is still not satisfied, he she should schedule an appointment with the Divisional Dean to discuss the situation. The dean may request that the chairperson also be present.
 - If the student is still not satisfied, he she should be advised of the formal appeal process.

- **Formal Appeal:** If the student is not satisfied with the results of the informal appeal, s/he should provide the following information, in writing, to the Vice President for Academic Affairs:
 - A request for a formal appeals hearing.
 - A brief statement of what is being appealed.
 - The basis for the appeal.
 - Pertinent facts relating to the appeal.
- The agenda of the appeals hearing will include only those factors documented in the student's appeal request letter. The Vice President for Academic Affairs will determine the date, time and place of the hearing, and notify the student accordingly.
- **The Hearing**
 - Composition of the appeals committee:
 - Vice President for Academic Affairs will preside over the hearing.
 - Faculty member of the student's choice.
 - Faculty member and student selected by the Vice President for Academic Affairs.
 - President of Student Government Association.
 - Dean of Students.
 - Other persons who should be available at the hearing:
 - The student who requested the hearing.
 - The faculty member involved.
 - Anyone the student or faculty member wishes to be present to substantiate the case.
 - Chairperson and Divisional Dean.
 - Hearing procedure:
 - The committee will hear the student's appeal during which the parties to the controversy and such representatives as desired will present all facts relating to the case. By majority vote, the committee will decide to sustain, amend or reverse the previous decision.
 - The decision of the committee is final and completes the academic appeals procedure.

See South Plains College Student Guide.

Diversity Statement In this class, the teacher will establish and support an environment that values and nurtures individual and group difference and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disabilities 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 Office) 806-716-2577, Lubbock Centers (located at the Lubbock Downtown Center) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

Non-Discrimination Statement South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

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 Health and Wellness Center. 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 the Health and Wellness Center at 806-716-2529 or email dburleson@southplainscollege.edu for assistance.

Campus Concealed Carry Statement Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.php>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

COVID-19 Statement

If you are experiencing any of the following symptoms, please do not attend class and either seek medical attention or test for COVID-19.

- Cough, shortness of breath, difficulty breathing
- Fever or chills
- Muscles or body aches
- Vomiting or diarrhea
- New loss of taste and smell

Please also notify DeEtte Edens, BSN, RN, Associate Director of Health & Wellness, at dedens@southplainscollege.edu or 806-716-2376. Proof of a positive test is required. A home test is sufficient but students must submit a photo of the positive result. The date of test must be written on the test result and an ID included in the photo. If tested elsewhere (clinic, pharmacy, etc.), please submit a copy of the doctor's note or email notification. Results may be emailed to DeEtte Edens, BSN, RN at dedens@southplainscollege.edu.

A student is clear to return to class without further assessment from DeEtte Edens, BSN, RN if they have completed the 5-day isolation period, symptoms have improved, and they are without fever for 24 hours without the use of fever-reducing medication.

Students must communicate with DeEtte Edens, BSN, RN prior to their return date if still symptomatic at the end of the 5-day isolation.

Course Specific Information

PSYC 2317, section 001

Instructor: Kristina M. Garrett, Ph.D.
Office: Levelland Campus, Administration Building, AD 144
Office Phone**: 806-716-4732
E-Mail**: kgarrett@southplainscollege.edu
Office hours:

Day(s)	Time	Physical location	Blackboard Collaborate or Calendly link
Monday/Wednesday	1 pm – 3:15 pm	Lubbock Downtown, room 2005	Click here to join virtual office hours using Blackboard Collaborate
Tuesday/Thursday	2:30 – 3:00 pm	Levelland, room AD 144	Click here to join virtual office hours using Blackboard Collaborate
Friday	9:30 am – 12 pm	Levelland, room AD 144	Click here to join virtual office hours using Blackboard Collaborate
By appointment			Click here to schedule an appointment for a Zoom meeting using Calendly

** Please note: I spend at least two days per week at the Lubbock Downtown Center. The phone number listed above rings in my Levelland office and will forward to the Teams app and any voicemail you leave for me will be visible to me in the Teams app and get forwarded to my email. However, 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 any source other than yourself). 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 offence violation (one sentence vs. an entire assignment) and whether the student repeatedly violates these rules within this course.

Special note about Artificial Intelligence (AI) Bots

There are now websites that will actually generate semi-unique material that somewhat resembles original material. Since the technology is available to create this content, technology is also available to detect this content. In addition to technology that can detect AI writing, there are some tell-tale signs, including the possibility of the bot using completely false information (such as

inventing fake citations rather than citing actual sources) or writing in a very formulaic way. Please be aware that using a bot to write your assignments is still a violation of academic integrity (just like having someone else write it for you would be). The expectation is that your work is entirely your own. The penalties for violating academic integrity can get quite severe so I strongly advise you not to attempt to cheat under the assumption that you won't get caught!!

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.

Attendance: Attendance is an incredibly important part of your success as it gives you the chance to ask questions and actively participate. Being physically present is not calculated into your final grade but being actively involved will definitely impact your grade by helping you learn the material more deeply and be more successful on assignments. Any student who has missed more than 5 classes may be administratively dropped, especially if the absences are consecutive and the student hasn't contacted me to explain their situation and has missed a significant amount of course work. It is SPC policy for students administratively dropped due to non-attendance to be dropped with a grade of X.

Late Work Policy: Exams are subject to the make-up exam policy listed below in the exams section of the syllabus. Late homework assignments will be assessed a late penalty of 10% of the maximum grade possible for each calendar day late (including holidays and weekends) and will not be accepted more than 9 days late. No late work will be accepted after Tuesday May 9th at 5 pm.

ASSIGNMENTS

1. Participation assignments (Total of 100 points; 10% of final grade)

During class time and outside of class time (on Blackboard), there will be opportunities for participation. These various opportunities for participation (in the form of in-class or online discussions) will add up to 100 points over the course of the semester.

2. Calculation homeworks (100 points each; Total of 500 points; 50% 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. 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. In order to accommodate students who may be

quarantined, all exams will be online and the window of time that the exam is available to you will include one class day where there will be no in-class lecture 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 listing of exam dates is in the course schedule on Blackboard. Exams will be available on Blackboard for two (2) calendar days, from 8 AM on the first day until 11 PM on the second day (a total of 39 hours). If you miss an exam and can provide documentation demonstrating that you were unable to take the exam during any of the time it was available due to an unforeseen event outside of your control*, then you will be permitted to take a make-up exam which will be available during finals week. The fourth exam cannot be made up because it is at the very end of the semester. *Please note: waiting until the very end of the exam availability and then having technical difficulties caused by your browser's or device's compatibility will not allow for a make-up exam.

Extra Credit

Extra credit is optional, therefore no extra credits will be accepted after the deadline for any reason. 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. Some extra credits will have their own specific deadline, while others will be accepted until 1 pm on Wednesday, April 26th. Unless otherwise noted, no extra credit will be accepted after 1 pm on Wednesday, April 26th.

Final Grade Calculation

Your final grade will be determined as follows

Attendance assignments (15 @ 10 pts. each)	100 points
Calculation homeworks (5 @ 90 pts. each)	500 points
Exams (4 @ 100 pts each)	400 points
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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. 692 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%).

