

Sul Ross State University – Behavioral and Social Sciences Department PSY 3305 Course Syllabus ~ Fall 2022

Course Title:	Introduction to Statistics for Behavioral Sciences
Required Text:	Blatchley, B. (2019). <i>Statistics in context</i> . New York, NY: Oxford University Press.
Recommended Software:	SPSS 28.0 for Windows - Student Version – You can purchase a 6 month license of the software at https://onthehub.com/products/a4db50af-41be-eb11-813b-000d3af41938 (Note that there is also a version for Mac)
Contact Information:	A. M. Trotman, PhD – alicia.trotman@sulross.edu
Office (LH 306) Hours:	Tuesdays & Thursdays (3:30 to 5:30pm), Wednesdays (3:00 to 6:00pm) & Fridays (Online 2:00 to 5:00pm) Appointment: https://calendly.com/amtsulross/office-hours-appointment
Prerequisites:	Algebra or Introductory Statistics (MATH 1342)

Course Description:

The student will acquire an understanding of the statistics as a professional tool in social and behavioral sciences with major emphasis on data description, organization, analysis and minor emphasis on prediction.

Student Learning Outcomes:

Major:

- 1) Given the required inclusion of statistical analyses in journal articles, students can read and comprehend basic quantitative results.
Method of Assessment: Discussion, participation and exams
- 2) Given large sets of numeric data, the student can identify and describe the use of descriptive statistics, distinguishing among the four measurement scales, calculating frequencies and creating accompanying charts.
Method of Assessment: Discussion, quizzes, participation and exams
- 3) Given the nature of the hypotheses that examine samples to draw conclusions or make predictions of populations, the student can execute inferential statistics, identify independent and dependent variables and perform correlations and hypothesis testing.
Method of Assessment: Discussion, quizzes, participation and exams
- 4) Given the consistency and inconsistency of various measures, and the likelihood of unique findings, students can calculate measures of central tendency, dispersion and probability.
Method of Assessment: Quizzes, participation and exams
- 5) Given the likelihood of errors that can occur in a sampling distribution that are typical or atypical, students can conduct central limit theorem, z-scores and sampling distribution of means analyses.
Method of Assessment: Quizzes, participation and exams

Course Requirements:

- 1) **The text MUST be obtained.** If you want to *seriously* pass this class, you must purchase the textbook.

- 2) Respect for students and lecturer must be always maintained when we meet. Respect is a basic human characteristic that entitles each person to their own right and identity. It also helps to nurture a healthy learning environment. If you recognize that respecting others may be a problem, please be courteous and alert me or more suitable personnel (e.g. Sul Ross State University psychologists, family members, lecturers, close friends) and or refer to the Student Conduct and Discipline section of the [SRSU Student Handbook](#).

SRSU Accessibility & ADA Services:

SRSU Disability Services. Sul Ross State University (SRSU) is committed to equal access in compliance with Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the student's responsibility to initiate a request each semester for each class. Alpine Students seeking accessibility/accommodations services must contact Mary Schwartz, LPC, SRSU's Accessibility Services Coordinator at 432-837-8203 (please leave a message and we'll get back to you as soon as we can during working hours), or email mschwartz@sulross.edu. Our office is located on the first floor of Ferguson Hall (Suite 112), and our mailing address is P.O. Box C122, Sul Ross State University, Alpine. Texas, 79832.

Library Services Statement

The Bryan Wildenthal Memorial Library in Alpine offers FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library's website, library.sulross.edu. Off-campus access requires logging in with your LoboID and password. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or phone (432-837-8123).

Honoring Academic Integrity

Students in this class are expected to demonstrate scholarly behavior and academic honesty in the use of intellectual property. A scholar is expected to be punctual, prepared, and focused; meaningful and pertinent participation is appreciated. Examples of academic dishonesty include but are not limited to: Turning in work as original that was used in whole or part for another course and/or professor; turning in another person's work as one's own; copying from professional works or internet sites without citation (plagiarism); collaborating on a course assignment, examination, or quiz when collaboration is forbidden. Other instances of academic misconduct are lying in connection with your academic work, cheating, and misrepresenting facts and/or collusion. All these are contrary to the purpose of any educational institution and will be dealt with **most severely** to the extent of the university's disciplinary policy and/or through legal action if indicated. An instructor who determines that a student has been dishonest academically can at a minimum issue no credit for the assignment/exam, and/or pursue more severe penalties, including but not limited to failing the course. Further information about *Academic Honesty* can be read in the [SRSU Student Handbook](#).

Marketable Skills

1. **Speaking Effectively:** Students will demonstrate competency in public speaking and communicating scientific information to diverse audiences.
2. **Describing Feelings:** Students will demonstrate empathic or active listening and conversational skills, and/or write clearly about their affective stance, respectfully attuned to the needs of their audiences.
3. **Identifying Resources:** Students will demonstrate the aptitude to locate, organize and evaluate the credibility of information from multiple sources.
4. **Analyzing:** Students will demonstrate ability to examine the underlying issues of a scientific problem, attending to the pertinent details and creating a plan of action, recognizing ambiguity and complexity as essential components.

Attendance and Participation

This is a course that requires online and in class experience and discussion. **Class attendance IS REQUIRED and participation is important IN CLASS and ONLINE.**

If for any reason we need to move online, Thursday classes will be recorded and hosted via Blackboard Collaborate.

Class participation and attendance will be worth **20%** of the final grade. Attendance accounts for a significant amount of your final grade because *absences* affect your ability to complete the considerable number of assignments for this class and **more importantly, pass this class.**

Participation - You are expected to be actively involved online and/or in person. *Active involvement includes prompt and regular attendance, active listening, practicing textbook questions, participating via an online poll or quiz, and engaging in in-class and online discussions.* Besides attendance, all other forms of participation judged subjectively by me that showcases active involvement will increase your participation grade.

Attendance - Class attendance is governed by the SRSU policy stated in the schedule of classes. If you are unable to attend a class session, please discuss the reason with me and arrange with another student to obtain any notes, handouts or assignments you may have missed. Excused absences entail established religious observance, or providing emergency, university-authorized, legal or medical documentation. **Excessive unexcused absences (more than 4 missed class sessions) will result in a failing grade for the course.** If you recognize that you will need extra assistance in reviewing statistics (more than I can provide), it is recommended that you make an appointment with the tutoring center in the Library or form a study group that meets regularly to review the material. In addition, many students spend significant time reviewing Youtube and Khan Academy videos.

Distance Education Statement - Students enrolled in distance education courses have equal access to the university's academic support services, such as library resources, online databases, and instructional technology support. For more information about accessing these resources, visit the SRSU website. Students should correspond using Sul Ross email accounts and submit online assignments through Blackboard, which requires secure login. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website. Directions for filing a student complaint are located in the [Student Handbook](#).

The Online Support Desk

The Support Desk is where you can direct your more technical questions. For example, if you are having issues submitting a document, getting videos to play, or you are dealing with a technical error in the course. The support desk is open 24 hours a day/7 days a week for your convenience. You can reach the support desk:

- By calling 888.837.6055
- Via email blackboardsupport@sulross.edu
- Using resources from the Technology Support tab within blackboard
- Clicking the Support Desk graphic on the course homepage

Regular communications with the professor - It is essential that you keep me current on your progress and any difficulties you may be having so that I can respond in real time to support your success. The most efficient way of contacting me is the VIRTUAL OFFICE on Black Board and/or the syllabus which provides you with contact hours for the rest of the semester. GENERAL QUESTIONS are to be posted to a discussion board for all. For PERSONAL or PRIVATE ISSUES email me at Alicia.trotman@sulross.edu or leave a voice mail message (432-837-8147) or make an appointment with me (<https://calendly.com/amtsulross/office-hours-appointment>) or text me on Microsoft Teams. I strive to respond as soon as possible. If you do not receive a reply within 24 hours during the work week, please resend your email or text me.

Course Behaviors - Respect and Disruptions - Watch the VIDEO on NETTIQUETTE -

https://www.youtube.com/watch?v=FWMk_Zv7nB8 and <https://www.youtube.com/watch?v=80uRE972uQ0> .

You are encouraged and expected to openly engage in discussions, ask questions, share ideas, and express your thoughts in this web-based course in the same manner as in a face-to-face course. Please treat each other with dignity and respect and avoid disruptive behaviors. You are responsible for knowing what behaviors are acceptable versus unacceptable as referred to in the Student Conduct and Discipline section of the [SRSU Student Handbook](#).

Cell phone and computer use: During the entire class period, you should be fully engaged in the class's activity. Laptop computers or phones are welcomed for the academic purposes of note taking or following along with the instructor's lesson. Off-topic activity (e.g., reading texts or posts, checking email, game playing) not directly related to the class is considered extremely disrespectful, and will be noted and can result in being marked "absent" for the day.

Children in the Classroom

The policy described here is thus, a reflection of my own beliefs and commitments to student, staff, and faculty parents.

1. All exclusively nursing/breastfeeding babies are welcome in class as often as is necessary to support the nursing/breastfeeding relationship. Because not all nursing parents can pump sufficient milk, and not all babies will take a bottle reliably, I never want students to feel like they have to choose between feeding their baby and continuing their education. You and your nursing baby are welcome in class anytime.
2. For older children and babies, I understand that minor illnesses and unforeseen disruptions in childcare often put parents in the position of having to choose between missing class to stay home with a child and leaving him or her with someone you or the child does not feel comfortable with. While this is not meant to be a long-term childcare solution, occasionally bringing a child to class in order to cover gaps in care is perfectly acceptable.
3. I ask that all students work with me to create a welcoming environment that is respectful of all forms of diversity, including diversity in parenting status.
4. In all cases where babies and children come to class, I ask that you sit close to the door so that if your little one needs special attention and is disrupting learning for other students, you may step outside until their need has been met. Non-parents in the class, please reserve seats near the door for your parenting classmates.
5. Finally, I understand that often the largest barrier to completing your coursework once you become a parent is the tiredness many parents feel in the evening once children have finally gone to sleep. The struggles of balancing school, childcare and often another job are exhausting! I hope that you will feel comfortable disclosing your student-parent status to me. This is the first step in my being able to accommodate any special needs that arise. While I maintain the same high expectations for all student in my classes regardless of

parenting status, I am happy to problem solve with you in a way that makes you feel supported as you strive for school-parenting balance.

6. Don't forget to check out and utilize the ADA-compliant SRSU Lactation Room on the 2nd floor (Room 205) of Lawrence Hall!

Evaluation:

Exams: Two (2) exams will be given during the course of this term. These exams will be completed in class and at home. These exams may require computer use and the SPSS statistical software program. All exams will be due at the start of the next class session. **No late exams will be accepted** unless for excused absences (see attendance). All exams will be worth the 20% of the total of the final grade. If your absence is excused the day the exam is given, it will be *your responsibility* to reschedule a date **at most one day** after the missed exam with me.

QUIZZES: These quizzes are marked as (Q) below, and in the course schedule and there will be twelve (12) quizzes given during the course of this term on Blackboard. The dates of the quizzes are planned for the dates listed below in the class schedule. All quizzes will be worth 48% of the final grade. Please note that there will be no make-up quizzes (see attendance).

Late Quizzes/Exams: You are expected to meet quiz/exam deadlines. Quizzes submitted one day after their due dates will be deducted by 50% of the overall grade, and will be scored zero after more than one day for unexcused absences. For excused absences (university-authorized, legal or medical issues), speak with me **before the absence** so arrangements can be made.

Grading

Students are expected to complete assignments prior to class sessions and to engage in thoughtful discussions in light of these assignments. In addition to completing the SPSS assignments on time, students will be required to work frequently on their research paper for the final grade and presentation.

Attendance & Participation:	200 points	20%
Exams (2[100])	200 points	20%
Quizzes (12[50])	600 points	60%
TOTAL:	1000 points	100%

Course Outline

(This schedule and the topics listed above are subject to modification by the instructor.)

Unit 1 – Statistical Definitions and Frequencies

Day	Content	Materials
Aug. 23 rd & 25 th	Introductions... Using Blackboard for the course What are Statistics? Populations? Samples? (1) <i>Aug. 26th – Last day for late registration and schedule changes</i>	Blackboard; Statistics Textbook
Homework	PURCHASE TEXTBOOK	
Aug. 30 th & Sept. 1 st MODULE 1	What are Statistics? Populations? Samples? (1)	Blackboard; Statistics Textbook
Homework	Read Chapter 1 – Statistics: Who needs them? <i>(Q1 & Q2) Quizzes 1 and 2 on Chapter 1;</i>	
Sept. 6 th & 8 th MODULE 2	Levels of Measurement, Types of Data and Variables (2) <i>(Sept. 5th – Labor Day; Sept. 7th – Last day to drop classes without creating an academic record)</i>	Blackboard; Statistics Textbook
Homework	Read Chapter 2 <i>(Q3 & Q4) Quizzes 3 & 4 on Chapter 2</i>	
Sept. 13 th & 15 th MODULE 3	Frequency Distributions and Constructing Graphs (3)	Blackboard; Statistics Textbook
Homework	Read Chapter 3 <i>(Q5) Quiz 5 on Chapter 3</i>	
Sept. 20 th & 22 nd MODULE 4	Frequency Distributions and Constructing Graphs (3) SPSS Introduction	Blackboard; Statistics Textbook
Homework	<i>(Q6) Quiz 6 on Chapter 3 & 4</i>	

UNIT II: Measures of Dispersion

Day	Content	Materials
Sept. 27 th & 29 th MODULE 5	Measures of Central Tendency (4)	Blackboard; Statistics Textbook
Homework	Read Chapter 4	
October 4 th & 6 th MODULE 6	Review – October 6 th Midterm Exam: Thursday October 6th <i>Oct. 7th: LAST Day to apply for Fall graduation with late fee</i>	Blackboard; Statistics Textbook
Homework		
October 11 th & 13 th MODULE 7	The “Law of Life” (5)	Blackboard; Statistics Textbook
Homework	Read Chapter 5; <i>(Q7) Quiz 7 on Chapter 5;</i>	
October 18 th & 20 th MODULE 8	The Normal Curve (6)	Blackboard; Statistics Textbook
Homework	Read Chapter 6; <i>(Q8) Quiz 8 on Chapter 6</i>	

UNIT III: Inferential Statistics

Day	Content	Materials
Oct. 25 th & 27 th MODULE 9	The Normal Curve (6) <i>SPSS Review</i>	Blackboard; Statistics Textbook
Homework	Read Chapter 7; <i>(Q9) Quiz 9 on Chapter 6</i>	
Nov. 1 st & 3 rd MODULE 10	Probability Theory (7) <i>SPSS Review</i>	Blackboard; Statistics Textbook
Homework	Read Chapter 8; <i>(Q10) Quiz 10 on Chapter 7</i>	
Nov. 8 th & 10 th MODULE 11	Chapter 8: The Central Limit Theory and Hypothesis Testing <i>SPSS Review</i> November 8th: LAST Day for instructor initiated drop for excessive absences; November 11 th : <i>Veteran's Day</i> November 14th: LAST Day to withdraw from the 16-week course with grade of 'W'; November 14th: LAST Day to apply for May graduation without a late fee	Blackboard; Statistics Textbook
Homework	<i>(Q11) Quiz 11 on Chapter 8</i>	
Nov. 15 th & 17 th MODULE 12	Chapters 8 & 9: The Central Limit Theory and Hypothesis Testing & The z-Test Chapter 13: Correlations <i>SPSS Review</i>	Blackboard; Statistics Textbook
Homework	<i>(Q12) Quiz 12 on Chapter 8 and 13</i>	
Nov. 22 nd MODULE 13	Review of Quizzes 11 and 12; <i>SPSS Review</i> Wednesday November 23 rd to Friday November 25 th – <i>Thanksgiving Break</i>	Blackboard; Statistics Textbook
Homework	<i>Practice for Final Exam</i>	
Nov. 29 th MODULE 14	Make-Up Day	Blackboard; Statistics Textbook
Homework	Study for Final Exam	
Monday Dec. 5th (10:15am to 12:15pm)	Final Exam	
Congratulations on finishing the course!		