



Department of Health & Behavioral Sciences

PSYC 2388: Psychological Research & Stats I

Spring 2026

Instructor:	Stephanie A. Gooding, MS
Office:	Science & Technology 241
Office Hours:	Wednesdays 11:15 AM – 3:00 PM By Appointment (24 hrs. in advance)
Email:	Stephanie.Gooding@tamusa.edu
Course:	PSYC 2388.004 (CRN: 25709)
Class Time:	Tuesdays & Thursdays 11:00 am – 12:15 pm
Location:	Science & Technology 122

Course Description

An introduction to the methods and analysis of data from psychological studies. Fundamental concepts and techniques of both descriptive and inferential statistics and their application to psychological research. Prerequisites: PSYC 2301 and MATH 1314.

Required Course Materials

Textbook: McBride, D. (2019). *The Process of Research and Statistical Analysis in Psychology*. Sage.

ISBN for textbook and workbook bundle: 9781544389165

Workbook: McBride, D. (2019). *Lab Manual for Psychological Research and Statistical Analysis*. 1st Edition. Sage.

ISBN for textbook and workbook bundle: 9781544389165

Handbook: American Psychological Association. (2019). *Publication manual* (7th ed). Washington, DC.

- ISBN-13: 978-1433832161
- ISBN-10: 143383216X

Communication is Key

Please contact me through **Blackboard Messages**. This is my **preferred** method of communication as emails can get buried in inboxes. This ensures your messages are organized and replied to in a timely manner. I check Blackboard daily but may respond within 24 hours on weekdays.

- On the weekends, I am generally not available by email but will reply on the subsequent Monday. If you need to contact me, please plan, especially when it comes to clarifying assignment instructions and/or submission requirements.
- In all communications, please be professional and be specific in your message (i.e., avoid informal correspondence styles like text messaging).
- I will be available to meet during student hours (see times listed above) by appointment. You must make your appointment **24 hours in advance**. Student hours are dedicated to interacting with and providing students with assistance regarding course work.
- If there is a specific assignment/materials or topic you want to discuss, providing advance notice will allow me to have these resources ready.
- **It is also very important to connect with your peers in class. I highly recommend the class find ways to connect with each other.**

If students cannot meet during these times, an alternative time can be requested via Blackboard Messages, and I will do my best to try to accommodate students accordingly (or see me after class).



Specific Learning Objectives (from APA Guidelines for Psychology Majors)

1.3 Describe applications of psychology

2.1 Use scientific reasoning to interpret psychological phenomena

2.2 Demonstrate psychology information literacy

2.3 Engage in innovative and integrative thinking and problem solving

2.4 Interpret, design, and conduct basic psychological research

2.5 Incorporate sociocultural factors in scientific inquiry

3.1 Apply ethical standards to evaluate psychological science and practice

3.2 Build and enhance interpersonal relationships

4.1 Demonstrate effective writing for different purposes

4.2 Exhibit effective presentation skills for different purposes

4.3 Interact effectively with others

5.1 Apply psychological content and skills to career goals

5.2 Exhibit self-efficacy and self-regulation

5.3 Refine project management skills

5.4 Enhance teamwork capacity

5.5 Develop meaningful professional direction for life after graduation

Course Note

This course is part of a sequence of courses. Further, this course lays the foundation for all other Psychology Courses you may take. It is a challenging, but incredibly important course. Truly learn the material, and all of the classes after this one will be easier.

Grading:

Course Component	Value	Number	Total
Quizzes	10	8	80
Homework	20	5	100
Exams	100	3	300
Group Presentation	100	1	100
Final Report	100	1	100
TOTAL			680 possible

Missed / Late Homework Policy

Missed assignments will be assigned a grade of zero. You must contact me about a missed assignment **before** the due date or as soon as possible after the emergency that causes you to miss the deadline. **You will not be allowed to earn credit for late assignments and will receive a zero for that assignment unless you experience an**

emergency/illness. Excused absences include family emergency and death in the family. Work conflicts or difficulty with parking do not count as legitimate reasons.

Legitimate reasons include, but are not limited to:

- Illness and/or injury (personal)
- Illness of friend or family member that requires your assistance
- Transportation
- Athletic and/or organizational obligation
- Death or injury of friend or family member

Non-legitimate reasons for missing exams, but **NOT** for make-ups include:

- Vacation
- Lack of preparation and/or just not feeling like it

Late coursework will not be accepted for reasons other than those outlined above.

Grading

Your final grade for this course will be determined by your performance on assessments and various assignments. Refer to the Course Calendar for specific assessment dates, assignment due dates, and other important deadlines.

Assessment and Evaluation

Chapter Quizzes – 10 points

Regular quizzes will serve as checkpoints to gauge your understanding of key concepts and ensure you're keeping pace with the material. Chapter quizzes will be due on Mondays at 11:59 pm.

Exams – 100 points

These assessments will delve deeper into your comprehension, requiring you to apply theoretical knowledge to practical scenarios and analyze research findings. You'll be challenged to articulate your understanding clearly and concisely, demonstrating your ability to think critically about the subject matter.

Logistics:

Arrive on time. All exams end when class time ends. The exams are designed to be completed in 50 minutes. Manage your time effectively. Unanswered questions will be considered incorrect. The assessment schedule is provided on the first day of class. Make-up assessments are only granted for documented emergencies and may be oral. Make-up assessments should be completed within one week of the original assessments date, if possible.

Homework –20 points

Types of Assignments: This course may include quizzes, various discussion formats, reaction papers, blogs/journals, video presentations, statistical calculations, homework assignments, and essays. Point values for each assignment are listed in the course calendar. Detailed instructions will be provided on Blackboard.

Group Poster Presentation – 100 points

Working in teams of 2–3, you will select a peer-reviewed psychology research article that connects to course topics in research methods and statistics. Your group will analyze the article's research question, design, methodology, results, and implications, and then create a visually engaging poster that summarizes the study. On finals day, your group will present the poster to the class, explaining the research clearly and answering questions about its methods and findings. Evaluation will be based on clarity, accuracy, organization, visual appeal, and presentation skills.

Individual Final Report – 100 points

In addition to the group poster, each student will submit an individual written report analyzing the chosen article in greater depth. Your report will include a clear summary of the study, an explanation of its design and methodology, an interpretation of its statistical results, and a critical evaluation of strengths, limitations, and broader implications. You will also reflect on how ethical guidelines were addressed and identify the study's variables. Reports should be well-written using APA style and demonstrate a strong comprehension of course content.

Academic Integrity:

Only exam materials and writing utensils are allowed on your desk. Cell phones must be turned off completely, not silent. Smartwatches and headphones must be removed. Using a cell phone or smartwatch during an assessment will result in a zero on the assessment and a referral to the Office of Student Rights and Responsibilities. Consequences can range from a zero on the assessment to expulsion from the university. You will also need to meet with the instructor before returning to class.

Class absences and questions:

Before and after class, we may have some time to discuss a limited number of questions. However, if you have questions because you missed class, were late to class, or need additional help with a specific sequence of steps, you need to set up an appointment to come and discuss those issues during my office hours. Life happens; I get it. However, I cannot capture everything that we discussed or help you follow the same sequence in those short periods of time. A one-on-one environment is going to be much more conducive to making sure that you get caught up – rather than a rushed exchange in those brief periods around the class time.

If you are in a position where you are consistently struggling to make it to class on time, I also suggest that you come see me. We may be able to explore alternatives so that you can more reasonably meet the expectations of the course. See syllabus for office hours.

Assessment and Evaluation:

All assignments, with the exception of in-class work, will be administered from and turned into Blackboard. No paper copies will be accepted unless otherwise noted. Late work will not be accepted without a university approved excuse and/or advance notice with instructor approval. Additionally, you are expected to complete all work independently (see Academic Integrity section for more details on independent work).

Blackboard Tips

All assignments **MUST** be submitted on the desktop web version of the application. The mobile app and often mobile web versions DO NOT submit properly.

If you have trouble with Blackboard automatically populating your dashboard or syncing to your calendar, please contact me immediately to correct this.

Course Schedule

Although I will do my best to abide by this schedule, it is subject to change with notice.

Unless otherwise stated, all assignments and quizzes are due by Sunday at 11:59 pm.

Week	Date	Readings	Topic	What is due	Pts
1	1/20	Syllabus	Syllabus & Group Project Info	Syllabus Quiz	10
	1/22	Chapter 1	Why Psychologists Ask Questions the Way They Do		
2	1/26	Chapter 1	Scientific Thinking & Method	Chp 1 Quiz	10
	1/29	Chapter 2	Types of Data		
3	2/03	TBD	TBD	Chp 2 Quiz	10
	2/05	Chapter 3	Ethics		
4	2/10	Chapter 3	Ethics	Chp 3 Quiz	10
	2/12	Exam 1	Exam 1 – Thursday (in-class)	Exam 1 (Ch. 1-3)	100

5	2/17	Chapter 4	Probability Sampling Issues	Chp 4 Quiz	10
	2/19	Chapter 4	Sampling Means Samples/Populations		
6	2/24	Chapter 5	Scientific Method Data Collection Research Designs Central Tendency	Stat HW: Central Tendency	20
	2/26	Chapter 6	Variability Standard Deviation	Chp 5 Quiz	10
7	3/03	Chapter 6	Graphing & Histograms	Stat HW: Variability & Standard Deviation	
	3/05	Exam 2	Exam 2 - Tuesday	Exam 2 (Ch. 4-6)	
8	3/09	Spring Break	Spring Break	Spring Break	
	3/12				
9	3/17	Group Project Article	Finalize Group Article		
	3/19	Chapter 7	Reliability & Validity		
10	3/24	Chapter 7	Reliability & Validity	Stat HW: TBD	TBD
	3/26	Chapter 8	One-Factor Experiments Variable Manipulation	Chp 7 Quiz	10
11	3/31	Chapter 9	Hypothesis Testing	Chp 9 Quiz	10
	4/02	Chapter 9			
12	4/07	Chapter 9	Hypothesis Testing	Exam 3 (Ch. 7-9)	100
	4/09	Exam 3	Exam 3 – Tuesday		

13	4/14 4/16	Chapter 10	T-tests	Stat HW: t-test hand calculations	20
14	4/21 4/23	Chapter 10 Chapter 10	T-tests T-tests	Work on Presentations	
15	4/28 4/30	Group Presentations	Presentations during class time T&Thurs		TBD
16	5/06- 5/12	Finals	Content TBD	TBD	TBD

AI Policy

The use of generative AI, such as ChatGPT, is prohibited *without my express permission*, except in the following ways:

- To ensure proper usage of English in students' original self-written materials
 - Prompt: Review the text below and note any grammatical errors. Be detailed and provide examples/explanations.
- To clarify or condense *portions* of students' original self-written materials
 - Prompt: Review the text below and concise the information. Be detailed and provide examples/explanations.
- To identify areas of improvement in students' original self-written materials
 - Prompt: Review the text below and identify areas of improvement. Be detailed and provide examples/explanations.

Students who choose to utilize generative AI tools for this purpose MUST:

- Declare the use of AI tools by identifying the program and purpose (i.e., allowed uses)
- Cite the tool in the reference section
- Include their original writing as an appendix to any assignment submission

Students are cautioned that all written assignments are checked for integrity using Turnitin, an AI program that detects plagiarism and language based generative AI content.

If generative AI usage is detected and not declared upon assignment submission, the student may be held accountable for violating the Academic Integrity Policy. The first step following any flagged material is a one-on-one conversation in a timely manner with the student to discuss the situation further and to determine what course of action is appropriate.

Class Etiquette

Whether we are meeting in person or online, this class is a shared learning space. Please do your best to arrive on time, be prepared to participate, and engage respectfully with your classmates and instructor.

During in-person sessions, limit side conversations and use devices only for course-related purposes. For online meetings, join from a quiet location when possible, keep your microphone muted when not speaking, and participate professionally in chat discussions.

Respectful communication is expected at all times. **Disagreement is part of learning, but it should be expressed thoughtfully and constructively.** These guidelines help create a supportive, focused environment where everyone can learn effectively.

IMPORTANT POLICIES & RESOURCES

University Email Policy and Course Communications: All correspondence between professors and students must occur via University email accounts. You must have your Jaguar email account ready and working. If it is not working, contact the help desk at helpdesk@tamusa.edu or at 210-784-HELP (4357). If you don't hear back within 48 hours, contact them again. They have many requests during the first part of the semester, so you may need to follow up with them.

Academic Accommodations for Individuals with Disabilities: Texas A&M University-San Antonio is committed to providing all students with reasonable access to learning opportunities and accommodations in accordance with The Americans with Disabilities Act, as amended, and Section 504 of the Rehabilitation Act. If you experience barriers to your education due to a disability or think you may have a disability, Disability Support Services is located in the Central Academic Building, Suite 210. You can also

contact us via phone at (210) 784-1335, visit us at the [website](#) or email us at dss@tamusa.edu. Disabilities may include, but are not limited to, attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their academic accommodations with Disability Support Services and their instructors as soon as possible.

Academic Learning Center: All currently enrolled students at Texas A&M University-San Antonio can utilize the Academic Learning Center for subject-area tutoring. The Academic Learning Center provides free course-based tutoring to all currently enrolled students at Texas A&M University-San Antonio. Students wishing to work with a tutor can make appointments through the Brainfuse online tutoring platform. Brainfuse can be accessed in the Tools section of Blackboard. You can contact the Academic Learning Center by emailing tutoring@tamusa.edu, calling (210) 784-1307, or visiting the Central Academic Building, room 202. Online tutoring is also available for after hours and weekend assistance.

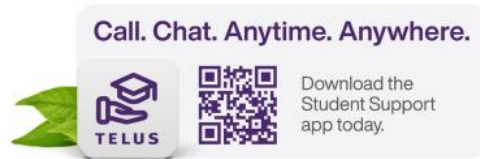
While tutoring hours may change based on tutor schedules and availability, the current tutoring hours for MATH in the ALC are as follows:

	Appointments available	Walk in Tutoring – No appointment needed
MONDAY	8 am – 6 pm	9 am – 5 pm
TUESDAY	8 am – 6 pm	9 am – 5 pm
WEDNESDAY	8 am – 6 pm	9 am – 5 pm
THURSDAY	8 am – 6 pm	9 am – 5 pm
FRIDAY	8 am – 5 pm	11 am – 4 pm

Counseling/Mental Health Resources: As a college student, there may be times when personal stressors interfere with your academic performance and negatively impact your daily functioning. If you are experiencing emotional difficulties or mental health concerns, support is available to you through the Student Counseling Center (SCC). To schedule an appointment, visit our website, call 210-784-1331 or visit Madla 120 between the hours of 8:00 AM and 5:00 PM.

All mental health services provided by the SCC are free and confidential (as the law allows). The Student Counseling Center provides brief individual and group therapy, crisis intervention, consultation, case management, and prevention services. *Crisis support is available 24/7/365 by calling the SCC at 210-784-1331 or through the TELUS student support App.*

The TELUS Student Support App provides a variety of mental health resources to including 24/7/365 support for in the moment distress, crisis support, an anonymous peer-to-peer support network, mental health screenings, podcasts, and articles to improve your mental wellbeing.



Emergency Preparedness: JagE Alert is Texas A&M University-San Antonio's mass notification system. In the event of an emergency, such as inclement weather, students, staff and faculty, who are registered, will have the option to receive a text message, email with instructions and updates. To register or update your information visit: <https://tamusa.bbcportal.com/>. More information about Emergency Operations Plan and the Emergency Action Plan can be found [here](#). Download the SafeZone App (<https://safezoneapp.com/>) for emergencies or call (210) 784-1911. Non-Emergency (210) 784-1900.

Financial Aid and Verification of Attendance: According to the following federal regulation, 34 CFR 668.21: U.S. Department of Education (DoE) Title IV regulation, a student can only receive Title IV funds based on Title IV eligibility criteria which include class attendance. If Title IV funds are disbursed to ineligible students (including students who fail to begin attendance), the institution must return these funds to the U.S. DoE within 30 days of becoming aware that the student will not or has not begun attendance. Faculty will provide the Office of Financial Aid with an electronic notification if a student has not attended by the published Census Date (the first week of class). Any student receiving federal financial aid who does not attend prior to the published Census Date (the first week of class) will have their aid terminated and returned to the DoE. Please note that any student who stops attending at any time during the semester may also need to return a portion of their federal aid.

Jaguar Writing, Language, and Digital Composing Center (WLDCC): The Jaguar Writing Center provides writing support to graduate and undergraduate students in all three colleges as well as faculty and staff. Writing tutors work with students to develop reading skills, prepare oral presentations, and plan, draft, and revise their written assignments. Our language tutors support students enrolled in Spanish courses and students composing in Spanish for any assignment. Our digital studio tutors support students working on digital projects such as eportfolios, class presentations, or other digital multimedia projects. The Writing Center offers face-to-face, synchronous online, and asynchronous digital appointments. Students can schedule appointments with the Writing Center in JagWire under the Student Services tab. Click on "Writing, Language, and Digital Composing Center" to make your appointment. Students wanting to work in

realtime with a tutor can schedule an "Online Appointment." Students wishing to receive asynchronous, written feedback from a tutor can schedule an "eTutoring" appointment. More information about what services we offer, how to make an appointment, and how to access your appointment can be found on our [website](#) . The Writing Center can also be reached by emailing writingcenter@tamusa.edu.

Meeting Basic Needs: Any student who has difficulty affording groceries or accessing sufficient food to eat every day or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to submit a [CARE report](#) for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable them to direct you to available resources. A food pantry is available on campus; click [here](#) for hours and contact information.

Military Affairs: Veterans and active-duty military personnel are welcomed and encouraged to visit the Office of Military Affairs for any question involving federal or state VA Education Benefits. Visit the Patriots' Casa building, room 202, or to contact the Office of Military Affairs with any questions at military.va@tamusa.edu or (210)784-1397.

Religious Observances: Texas A&M University-San Antonio recognizes the wide variety of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or course work requirements that may be missed due to a religious observance provided they notify their instructors before the end of the second week of classes for regular session classes.

The Six-Drop Rule: Students are subject to the requirements of Senate Bill (SB) 1231 passed by the Texas Legislature in 2007. SB 1231 limits students to a maximum of six (6) non-punitive course drops (i.e., courses a student chooses to drop) during their undergraduate careers. A non-punitive drop does not affect the student's GPA. However, course drops that exceed the maximum allowed by SB 1231 will be treated as "F" grades and will impact the student's GPA.

Statement of Harassment and Discrimination: Texas A&M University-San Antonio is committed to the fundamental principles of academic freedom, equal opportunity, and human dignity. To fulfill its multiple missions as an institution of higher learning, A&M-San Antonio encourages a climate that values and nurtures collegiality and the uniqueness of the individual on our campus and within our state, nation, and world. All decisions and actions involving students and employees are to be based on applicable law and individual merit. Texas A&M University-San Antonio, in accordance with applicable federal and state law, prohibits discrimination, including harassment, on the basis of race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation, or pregnancy/parenting status. Individuals who

believe they have experienced harassment or discrimination prohibited by this statement are encouraged to contact the University's Civil Rights Officer at 210-784-2061 or titleix@tamusa.edu.

Texas A&M University-San Antonio faculty are committed to providing a safe learning environment for all students and for the university as a whole. If you have experienced any form of sex discrimination or harassment, including sexual assault, sexual harassment, domestic or dating violence, or stalking based on sex, know that help and support are available. A&M-San Antonio's Title IX Coordinator can support those impacted by such conduct in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, and more. The university strongly encourages all students to report any such incidents to the Title IX Coordinator. Please be aware that all A&M-San Antonio employees (other than those designated as confidential resources such as counselors and trained victim advocates) are required to report information about such discrimination and harassment to the university. This means that if you tell a faculty member about a situation of sexual harassment, sexual violence, or other related sex-based misconduct, the faculty member must share that information with the university's Title IX Coordinator (titleix@tamusa.edu, 210-784-2061, CAB 439K). If you wish to speak to a confidential employee who does not have this reporting requirement, you can contact the Student Counseling Center at (210) 784-1331 or visit them in Madla 120.

Pregnant/Parenting Students: Texas A&M-San Antonio does not require a pregnant or parenting student, solely because of that status or issues related to that status, to (1) take a leave of absence or withdraw from their degree or certificate program; (2) limit the student's studies; (3) participate in an alternative program; (4) change the student's major, degree, or certificate program; or (5) refrain from joining or cease participating in any course, activity, or program at the University. The university will provide such reasonable accommodations to pregnant students as would be provided to a student with a temporary medical condition that are related to the health and safety of the student and the student's unborn child. These could include maintaining a safe distance from substances, areas, and activities known to be hazardous to pregnant individuals and their unborn child; excused absences because of illness or medical appointments; modified due dates for assignments; rescheduled tests/exams; taking a leave of absence; and being provided access to instructional materials and video recordings of lectures for excused absences, if these would be provided to any other student with an excused absence. Pregnant/parenting students are encouraged to contact the Title IX Coordinator with any questions or concerns related to their status (titleix@tamusa.edu; 210-784-2061; CAB 439K).

Texas A&M-San Antonio has also designated the Title IX Coordinator as the liaison officer for current or incoming students who are the parent or guardian of a child younger than 18 years of age. The Title IX Coordinator can provide students with

information regarding support services and other resources. Young Jaguars can support parenting students with daycare if students meet this criteria: (1) must be enrolled in classes at Texas A&M-San Antonio in the current semester, (2) must be Pell eligible or a single parent, (3) child(ren) must be aged 3 to 12-years-old, and (4) child(ren) must be enrolled in Pre-K-3 through 6th grade. For more information, please contact Young Jaguars at youngjaguars@tamusa.edu or call (210) 784-2636.

Students' Rights and Responsibilities: The following statement of students' rights and responsibilities is intended to reflect the philosophical base upon which University Student Rules are built. This philosophy acknowledges the existence of both rights and responsibilities, which is inherent to an individual not only as a student at Texas A&M University-San Antonio but also as a citizen of this country.

Students' Rights

1. A student shall have the right to participate in a free exchange of ideas, and there shall be no University rule or administrative rule that in any way abridges the rights of freedom of speech, expression, petition and peaceful assembly as set forth in the U.S. Constitution.
2. Each student shall have the right to participate in all areas and activities of the University, free from any form of discrimination, including harassment, on the basis of race, color, national or ethnic origin, religion, sex, disability, age, and pregnancy/parenting or veteran status in accordance with applicable federal and state laws.
3. A student has the right to personal privacy except as otherwise provided by law, and this will be observed by students and University authorities alike.
4. Each student subject to disciplinary action arising from violations of university student rules shall be assured a fundamentally fair process.

Students' Responsibilities

1. A student has the responsibility to respect the rights and property of others, including other students, the faculty, and administration.
2. A student has the responsibility to be fully acquainted with the published University Student Rules found in the Student Handbook, [Student Code of Conduct](#), on our website, and University Catalog, and to comply with them, as well as with federal, state, and local laws.
3. A student has the responsibility to recognize that student actions reflect upon the individuals involved and upon the entire University community.
4. A student has the responsibility to recognize the University's obligation to provide a safe environment for learning.
5. A student has the responsibility to check their university email for any updates or official university notifications.

We expect that students will behave in a manner that is dignified, respectful, and courteous to all people, regardless of sex, ethnic/racial origin, religious background, or disability. Conduct that infringes on the rights of another individual will not be tolerated.

Students are expected to exhibit a high level of honesty and integrity in their pursuit of higher education. Students engaging in an act that violates the standards of academic integrity will find themselves facing academic and/or disciplinary sanctions. Academic misconduct is any act, or attempt, which gives an unfair advantage to the student. Additionally, any behavior specifically prohibited by a faculty member in the course syllabus or class discussion may be considered as academic misconduct. For more information on academic misconduct policies and procedures please review the [Student Code of Conduct](#) or visit the resources available in the [OSRR website](#)

