

**San José State University
Department of Psychology**

**PSYC 18 – Introduction to Research Methods, Section 01
Spring 2022 Course Syllabus**

Instructor:	Dr. Cary S. Feria
Office Location:	DMH (Dudley Moorhead Hall), Room 312 (During the weeks that the course is in online format, my office hours will take place using Zoom videoconference.)
Telephone:	(408) 924-5620
Email:	cary.feria@sjsu.edu
Office Hours:	Monday 12:00-1:00pm, Tuesday 1:30-2:00pm, Thursday 1:30-2:00pm You are welcome to schedule an appointment with me for a different time, if you are unable to make these times.
Class Days/Time:	Monday, Wednesday 9:00-10:15am
Classroom:	DMH 347 (During the weeks that the course is in online format, the class sessions will occur using Zoom videoconference.)
Course Section:	01

Course Description

SJSU Course Catalog Description: Psychological research methods and design (experimental, quasi-experimental [correlational], and descriptive investigations) covering observation, instrumentation, and the collection, analysis, interpretation, and reporting of research data as illustrated through a review of original research in a variety of the subdisciplines of psychology. Prerequisites: PSYC 1 and STAT 95.

Specific Course Description:

We all hear about research findings on the news and the internet every day. And as practitioners of psychology, we often hear that one therapy or medication is better than another. How can we know whether to believe these claims?

In PSYC 18, you will gain the tools to become a smart and critical consumer of research. In lecture, you will learn the strengths and limitations of different types of studies, problems that can arise, and how these problems affect the interpretation of results. You will also gain hands-on experience carrying out two of the major types of psychology studies and analyzing their results.

Course Format: Synchronous Online and In-Person

This course, as well as most courses across SJSU, will occur in an online format at the start of the Spring 2022 semester. It is currently hoped that SJSU courses will be able to switch to in-person format beginning on Feb. 14. On that date, or whenever directed by SJSU, this course's format will switch to in-person.

For the beginning of the semester, this course will use synchronous online course format, which means that the class meetings will take place "live" at the assigned class time. We will be using the Zoom online meeting system for our class meetings.

Students are required to have an electronic device (laptop, desktop, or tablet), and access to the internet. SJSU has a free equipment loan program available for students and Wi-Fi options on campus, which are described on [SJSU's Learn Anywhere](#) website. To borrow a laptop, go to the website of [SJSU's Information Technology Equipment Loan](#) program. If you believe that you may have difficulties with accessing the internet or having a computer or other device to use Zoom on, please let me know immediately!

Learning Outcomes

Course Learning Outcomes (CLO)

Upon successful completion of this course, students will be able to:

CLO1 – Understand and distinguish the different types of research designs

CLO2 – Understand the vocabulary of various research designs

CLO3 – Understand and identify problems in research studies

CLO4 – Understand how to use design procedures to control for potential problems in research studies

CLO5 – Interpret and understand basic statistics in the context of a research study

CLO6 – Calculate basic statistics using SPSS software and write up basic statistical results

CLO7 – Read and understand a psychology research article and communicate the methods and results of the study to other people

Program Learning Outcomes (PLO)

Upon successful completion of the psychology major requirements...

PLO1 – Knowledge Base of Psychology – Students will be able to identify, describe, and communicate the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology.

PLO2 – Research Methods in Psychology – Students will be able to design, implement, and communicate basic research methods in psychology, including research design, data analysis, and interpretations.

PLO3 – Critical Thinking Skills in Psychology – Students will be able to use critical and creative thinking, skeptical inquiry, and a scientific approach to address issues related to behavior and mental processes.

PLO4 – Application of Psychology – Students will be able to apply psychological principles to individual, interpersonal, group, and societal issues.

PLO5 – Values in Psychology – Students will value empirical evidence, tolerate ambiguity, act ethically, and recognize their role and responsibility as a member of society.

Required Texts/Readings

Textbook

McBride, D. (2019). *The Process of Research in Psychology* (4th Edition). Los Angeles: Sage Publishing. ISBN number: 978-1-54432-349-7

Other Technology Requirements / Materials

Each student will need to have access to SPSS. SPSS is a statistical software package, and it is available to SJSU students for free. Please see the following website for instructions and to download SPSS:

Course Requirements and Assignments

Exams:

There will be 4 non-cumulative exams. Exams will be given online through the course's Canvas website. The exams will be given during the assigned class time on the class days listed on the schedule on p. 8 of this syllabus. The exams will be open-book and open-notes. The exams will be limited to a specific length of time. On the exams, the questions will be shown one question at a time, and once you answer a question you will not be able to return to previous questions. Exams will cover material from lectures and from the textbook. (A tip: Information that is in both the book and lecture is most likely to appear, followed by information from lecture only, then information from the textbook only.) Exams will be mostly multiple-choice, but may also include short-answer questions. A study guide will be given out before each exam. (aligned with CLO 1, 2, 3, 4; PLO 2, 3, 5)

Chapter Quizzes:

Quizzes covering the textbook readings will be given online through the course's Canvas site. You will take quizzes covering chapters 1, 4, 10, 11, 5, 3, 12, and 13. For each of these chapters, you will take one quiz. The quizzes will be multiple-choice. These quizzes are intended to keep you studying at a steady pace over the semester and to allow you to assess your progress. The chapter quizzes are open-book and open-notes. Due dates are listed on the course schedule on p. 8. The quizzes will be made available on Canvas several days before the due date. Specific instructions for how to take the quizzes will be provided soon. Each quiz must be completed before its specified due date, or it will not be accepted. You must submit the quiz by 11:59pm on the day it is due. There are no make-ups on the chapter quizzes. You must do them before their time deadline. Once the deadline is passed you may not complete the chapter quiz. There will be 8 chapter quizzes. Your 2 lowest scoring chapter quizzes will not count toward your grade, so 6 chapter quizzes will count toward your grade. (This policy of dropping the two lowest chapter quizzes helps in case students have an internet issue during a quiz or a life event that interferes with doing a quiz, because if a student misses one or two chapter quizzes for any reason, then those chapter quizzes will be dropped from their grade.) (aligned with CLO 1, 2, 3, 4; PLO 2, 3, 5)

Homework Assignments:

There will be 4 homework assignments this semester. Over the course of the semester, you will perform research lab activities giving you hands-on experience with psychology research. These will involve performing research studies and analyzing their results. Each homework assignment is about these research lab activities, and thus requires participation in the research lab activities. The research lab activities will be partly completed during class, and partly completed outside of class time, depending on the activity. Attendance at class (in-person meeting or synchronous Zoom meeting, depending on the course format at the time) is highly recommended on days in which we will be working on the research lab activities – these days are marked with an asterisk on the course schedule on p. 8.

Your 1 lowest scoring homework assignment will not count toward your grade, so 3 homework assignments will count toward your grade. (This policy of dropping the lowest homework assignment helps in case students have a technical issue with a given research lab activity or have life events that interfere with doing a research lab activity, because if a student misses a research lab activity for any reason, then that homework assignment will be dropped from their grade.) Homework will be turned in by each student individually. You will lose 10% of the point value of the homework for each day it is late. If the assignment is returned to the class before you hand in your homework, you will receive no credit. (aligned with CLO 1, 2, 3, 4, 5, 6, 7; PLO 2, 3, 4, 5)

Oral Presentation:

One of the goals of this course is for students to develop the skills to be an informed consumer of research in the real world. To this end, each student will do a very brief oral presentation about psychology research that relates to real-life situations and that interests the student. Each student will find a scientific research article, and give a presentation to the class about the study and what implications that study has for real life. More specific instructions will be provided later on. (aligned with CLO 1, 2, 5, 7; PLO 2, 3, 4)

Introduction Assignments:

You will be doing two short introduction assignments at the beginning of the semester. The first introduction assignment is to help me get to know the students better. For this, each student will answer a short survey, which will be turned in individually. The second introduction assignment is a discussion board to help students get to know their classmates. For this, each student will write 1 post on the discussion board introducing themselves, and comment on 2 of their classmates' posts. More specific instructions will follow. (aligned with PLO 5)

Grading Information

	<u>Points</u>	<u>Grade</u>
Exam 1	95	19%
Exam 2	75	15%
Exam 3	80	16%
Exam 4	95	19%
Chapter Quizzes (total) 6 x 10 points each	60	12%
Homework Assignments (total) 3 x 20 points each	60	12%
Oral Presentation	30	6%
<u>Introduction Assignments</u>	<u>5</u>	<u>1%</u>
Total possible	500	100%

Final course grades will be based on the scale below:

<u>Grade</u>	<u>Percentage</u>
A plus	97% or higher
A	93 to 96%
A minus	90 to 92%
B plus	87 to 89%
B	83 to 86%
B minus	80 to 82%
C plus	77 to 79%
C	73 to 76%
C minus	70 to 72%
D plus	67 to 69%
D	63 to 66%
D minus	60 to 62%
F	59% or lower

Extra Credit Opportunity: In-Class Activities

Some days in class, there will be in-class participatory activities giving you practice with the concepts of Research Methods. Students must attend class on the day of the activity (in-person meeting or synchronous Zoom meeting, depending on the course format at the time) to receive credit for the activity from that day. In some cases, you may also be responsible for completing some portion of the activity outside of class time. Each activity will be graded on a credit/no credit basis. Each activity will be worth one bonus point, unless otherwise specified.

Classroom Protocol

Getting Help

If you are having difficulties with any aspect of this course, please come to my office hours (on Zoom during online course format and at my office during in-person course format), and I will do my best to help you. If you are unable to come to my office hour times, you can contact me to make an appointment for a different time. If you have just a short question, you also can send it to me by e-mail.

Zoom

Zoom is the online meeting system where we will have our class meetings during the online course format. Information on how to use Zoom is found here: <https://www.sjsu.edu/learnanywhere/how-tos/zoom/index.php>

Recording of Zoom Class Meetings

During the online course format weeks, I will record the class Zoom sessions and post the recordings on Canvas. The recordings may not be available immediately after class, but they will be available several days before the corresponding exam. These recordings are for your own private, educational purposes and cannot be shared. Students will be able to view the video recordings, but not download the videos. Students are prohibited from recording the class.

Canvas

Canvas is our course website, and many course materials will be posted on Canvas throughout the semester. Please make sure that the email address you have listed in Canvas is the one you usually use, so that you will receive Canvas Announcements directly to your email. Information on how to use Canvas is found here <https://www.sjsu.edu/learnanywhere/how-tos/canvas/index.php>.

Attendance

Missed Classes. If you are absent, please read the lecture slides from that day. If we are in online course format, please also watch the recording of the Zoom meeting. If we are doing in-person course format, please also consult a classmate to get their lecture notes and to find out about any announcements made in class.

Missed Exams. I strongly discourage make-up exams. No make-up exams will be given unless the student presents a valid excuse. I reserve the right to decide if the excuse is valid. I will be more likely to allow you to make up an exam if you make every effort possible to contact me before the scheduled date of the exam. The fastest way to contact me is often by e-mail.

Mask Requirement for In-Person Class

Masks are required in class (when we are in the in-person course format). SJSU requires all students and staff to wear masks indoors regardless of vaccination status, in order to protect your health and the health of the other students in our class. If you need a mask, you can get one at the Covid-19 safety stations that are located at building entrances in all buildings on campus.

Class Courtesy for In-Person Class

Cell phones are not permitted in class, when we are in the in-person course format. Please turn off your cell phone and put it away in your backpack before the beginning of class.

Use of Camera for Online Class

During the online course format, if able and comfortable, please turn on your camera! The ability for students to see each other can help promote a sense of community in the classroom. Also, it can be helpful for me as an instructor to receive visual feedback from you. However, using a camera isn't a requirement; I understand that we're all dealing with very unique circumstances and challenges at the moment, so I leave the decision about using your camera up to you.

Posting Materials Online, Cheating, Plagiarism, and Academic Dishonesty

Students are not allowed to post any materials on CourseHero or any other website or app. This applies to my materials and also to students' answers on assignments. Thus, students are not allowed to post my quiz questions, my powerpoint slides, etc. And students are not allowed to post their answers to a quiz, their lab report that they wrote, etc. Students are also not allowed to utilize a material that another student had posted on a website or app, or cheat, plagiarize, or commit academic dishonesty by any other method.

Note

The procedures and schedule in this course syllabus are subject to change at the instructor's discretion.

University Policies

Academic Integrity

Your commitment as a student to learning is evidenced by your enrollment at San Jose State University. The [University Academic Integrity Policy S07-2](https://www.sjsu.edu/senate/docs/S07-2.pdf) at <https://www.sjsu.edu/senate/docs/S07-2.pdf> requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sjsu.edu/studentconduct/) is available at <http://www.sjsu.edu/studentconduct/>.

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include your assignment or any material you have submitted, or plan to submit for another class, please note that SJSU's Academic Integrity Policy S07-2 requires approval of instructors.

Prohibition of Students Recording the Class and Public Sharing of Instructor Material

Students are prohibited from recording class activities (including class lectures, office hours, advising sessions, etc.), distributing class recordings, or posting class recordings. Materials created by the instructor for the course (syllabi, lectures and lecture notes, presentations, etc.) are copyrighted by the instructor.

This university policy (S12--7) is in place to protect the privacy of students in the course, as well as to maintain academic integrity through reducing the instances of cheating. Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.

Students who record, distribute, or post these materials will be referred to the Student Conduct and Ethical Development office. Unauthorized recording may violate university and state law. It is the responsibility of students that require special accommodations or assistive technology due to a disability to notify the instructor.

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Add/drop deadlines can be found on the current academic year calendars document on the [Academic Calendars webpage](https://www.sjsu.edu/provost/resources/academic-calendars/) at <https://www.sjsu.edu/provost/resources/academic-calendars/>. The [Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at <http://www.sjsu.edu/aars/policies/latedrops/policy/>. Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the [Advising Hub](http://www.sjsu.edu/advising/) at <http://www.sjsu.edu/advising/>.

More About Zoom Recordings

This course or portions of this course (i.e., lectures, discussions, student presentations) will be recorded for instructional or educational purposes. The recordings will only be shared with students enrolled in the class through Canvas. The recordings will be deleted at the end of the semester. If, however, you would prefer to remain anonymous during these recordings, then please speak with the instructor about possible accommodations (e.g., temporarily turning off identifying information from the Zoom session, including student name and picture, prior to recording).

Technology Requirements

Students are required to have an electronic device (laptop, desktop or tablet). SJSU has a free equipment loan program available for students. Students are responsible for ensuring that they have access to reliable Wi-Fi during tests. If students are unable to have reliable Wi-Fi, they must inform the instructor, as soon as possible or at the latest one week before the test date to determine an alternative. See SJSU's Learn Anywhere website for current Wi-Fi options on campus.

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. [Presidential Directive 97-03](https://www.sjsu.edu/president/docs/PD_1997-03.pdf) at https://www.sjsu.edu/president/docs/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the [Accessible Education Center](http://www.sjsu.edu/aec) (AEC) at <http://www.sjsu.edu/aec> to establish a record of their disability.

University Policies

The [University Policy S16-9](http://www.sjsu.edu/senate/docs/S16-9.pdf), Course Syllabi (<http://www.sjsu.edu/senate/docs/S16-9.pdf>) requires the following language to be included in the syllabus: "Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally three hours per unit per week) for instruction, preparation/studying, or course related activities, including but not limited to internships, labs, and clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus."

[University policy S17-1](http://www.sjsu.edu/senate/docs/S17-1.pdf) (<http://www.sjsu.edu/senate/docs/S17-1.pdf>) states that "Faculty members are required to have a culminating activity for their courses, which can include a final examination, a final research paper or project, a final creative work or performance, a final portfolio of work, or other appropriate assignment."

Per [University Policy S16-9](http://www.sjsu.edu/senate/docs/S16-9.pdf), relevant university policy concerning all courses, such as student responsibilities, academic integrity, accommodations, dropping and adding, consent for recording of class, etc. and available student services (e.g. learning assistance, counseling, and other resources) are listed on [Syllabus Information](#)

[web page](https://www.sjsu.edu/curriculum/courses/syllabus-info.php) (https://www.sjsu.edu/curriculum/courses/syllabus-info.php). Make sure to visit this page to review and be aware of these university policies and resources.

Course Schedule

PSYC 18 – Introduction to Research Methods, Section 01, Spring 2022

Note: This schedule is subject to change. Reading due dates and topic dates are approximate. I will announce any changes of exam, quiz, or assignment due dates in Canvas.

Week	Date	Topic	Reading Due	Assignments Due	Quizzes Due
1	Wed. 1/26	introduction to course			
2	Mon. 1/31	psychology as a science	Ch. 1	Intro Survey	
	Wed. 2/2	reliability, validity & variables	Ch. 4	Intro Disc. Post	
3	Mon. 2/7	reliability, validity & variables	Ch. 5 (p.109-116)	Intro Disc. Comments	Ch. 1 (Mon. 2/7)
	Wed. 2/9	reliability, validity & variables			
4	Mon. 2/14	SPSS statistics basics (lab) *	Ch. 7 (review)		
	Wed. 2/16	observational designs			
5	Mon. 2/21	intro to experimental designs			Ch. 4 (Tue. 2/22)
	Wed. 2/23	Exam 1			
6	Mon. 2/28	survey research	Ch. 10		
	Wed. 3/2	correlational designs	Ch. 11		
7	Mon. 3/7	survey study (lab) *			Ch. 10 (Mon. 3/7)
	Wed. 3/9	correlational designs			
8	Mon. 3/14	survey SPSS analysis day 1 (lab) *		HW 1	
	Wed. 3/16	survey SPSS analysis day 2 (lab) *			Ch. 11 (Fri. 3/18)
9	Mon. 3/21	Exam 2			
	Wed. 3/23	validity & research strategies	Ch. 5 (p.117-131)		
10	Mon. 3/28	<i>Spring Break -- No Class</i>			
	Wed. 3/30	<i>Spring Break -- No Class</i>			
11	Mon. 4/4	validity & research strategies		HW 2	
	Wed. 4/6	validity & research strategies			Ch. 5 (Thu. 4/7)
12	Mon. 4/11	ethics	Ch. 3		Ch. 3 (Tues. 4/12)
	Wed. 4/13	Exam 3			
13	Mon. 4/18	between-subjects experiments	Ch. 12		
	Wed. 4/20	exper. study (lab), between-subjects			
14	Mon. 4/25	within-subjects experiments			
	Wed. 4/27	exper. SPSS analysis day 1 (lab) *			
15	Mon. 5/2	exper. SPSS analysis day 2 (lab) *		HW 3	
	Wed. 5/4	within-subjects experiments			
16	Mon. 5/9	within-subjects experiments			Ch. 12 (Tue. 5/10)
	Wed. 5/11	factorial designs	Ch. 13	HW 4	Ch. 13 (Fri. 5/13)
17	Mon. 5/16	Exam 4			
finals wk	Fri. 5/20	Oral Pres. day (7:15-9:30am)		Oral Presentations	

* Class days that are marked with an asterisk are days when we will be working on research lab activities. Attendance at class (in-person meeting or synchronous Zoom meeting, depending on the course format at the time) is highly recommended on the days that are marked with an asterisk.