

**San José State University**  
**Department of Psychology**  
**PSYC 118-01 (30932) Advanced Research Methods**

**Lecture + Lab(Activity)**

**Summer 2024**

**Course and Contact Information**

Instructor(s): Mark Van Selst  
Office Location: DMH 314 ([ZOOM](#))  
Telephone: 408 924 5674  
Email: Mark.VanSelst@SJSU.edu  
Office Hours: Tue, Thur 11:30-12:00  
Lecture Days/Time: Mon, Tue, Wed, Thu 12:00-2:00 PM  
Lab Days/Time: Tue, Thur 2:15-5:00 PM  
Classroom: [ZOOM https://sjsu.zoom.us/j/85773993054](https://sjsu.zoom.us/j/85773993054)  
Prerequisites: Lower division GE complete; STAT 95, PSYC 18, PSYC 100W with a “C” or better (or departmental approval), Upper division standing, Psychology or Behavioral Science majors only.

**Course Description**

*Descriptive, correlational, quasi-experimental, and experimental approaches: design, methodology, and analysis. Experience designing, conducting, analyzing, and presenting (verbal and written) research findings. Topics include: hypothesis testing, validity, reliability, scales of measurement, questionnaire development, power, statistical significance, and effect size.*

**Course Format:** Online Synchronous via [ZOOM \(https://sjsu.zoom.us/j/85773993054\)](https://sjsu.zoom.us/j/85773993054) plus CANVAS

**Course Communication:**

*Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on the [Canvas Learning Management System course login website](#). You are responsible for ensuring that you frequently access the email you use for SJSU communications. Minor changes to due dates or percentages for assignments will appear in Canvas.*

**Course Goals and Outcomes align with the BA Psychology Program Goals in the following ways:**

**Goal 1. Knowledge Base of Psychology:**

Students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in research methods in Psychology.

**Goal 2. Research Methods in Psychology:**

Students will understand basic methodological approaches used in various areas of psychology, including research design, analysis, and interpretation.

### Goal 3. Critical Thinking Skills in Psychology:

Students will understand and be able to use critical and creative thinking, skeptical inquiry, and a scientific approach to address issues related to behavior and mental processes.

### Goal 4. Application of Psychology:

Students will understand the role of, and be able to apply, psychological research methods to individual, interpersonal, group, and societal issues.

### Goal 5. Values in Psychology:

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

## Required Textbook

### Methods in Behavioral Research

Cozby, P.C. & Bates, S.

**Edition :** 14<sup>th</sup> 2020

**Publisher :** McGraw-Hill

**ISBN 13 :** 9781260205589 (any version is acceptable)

### Publication Manual of the American Psychological Association (Paperback)

**Edition :** 7<sup>th</sup> 2020

**Publisher :** American Psychological Association

**ISBN 13 :** 9781433832161 (any version is acceptable)

## Library Liaison

**Christa Bailey:** [christa.bailey@sjsu.edu](mailto:christa.bailey@sjsu.edu)

## Course Requirements and Assignments

*Please review the following policies and resources:*

- [University Syllabus Policy S16-9](#)
- [University's Syllabus Information web page](#)

*Note that SJSU requires ALL instances of plagiarism/unauthorized AI-use to student conduct. The SJSU writing center is available to help with syntax/grammar development. This course uses Turn-it-in plagiarism and AI-detection tools.*

Under the "Assignments" tab in CANVAS you will see SIX types of content. The due dates for each element is listed in CANVAS. The grading breakdown is:

LAB ACTIVITIES:	9%
CLASS PROJECT:	9%
INDIVIDUAL PROJECT:	20% [because of class size there may be pair-work options here]
ACTIVITIES:	7%
EXAMS (weekly, on Friday)	46%
Quizzes (weekly)	9%

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.

### **Final Examination or Evaluation**

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. For this course the exam for Chapter 14+ and the final assignments will constitute this final examination/culminating activity.

### **Grading Information**

*Grading will be guided by the following university policies:*

- [University Syllabus Policy S16-9](#)
- [University Attendance and Participation Policy F15-12](#)
- [University Grading System Policy F18-5](#)

### **Determination of Grades**

*A plus = from 100 to 96 percent*

*A = 92.5 percent*

*A minus = 90 percent*

*B plus = 87.5 percent*

*B = 82.5 percent*

*B minus = 80 percent*

*C plus = 77.5 percent*

*C = 72.5 percent*

*C minus = 70 percent*

*D plus = 67.5 percent*

*D = 62.5 percent*

*D minus = 60 percent – this is the minimum grade for credit towards the BA in Psychology*

*F = less than 60 percent*

A “W” (withdrawal) requires a formal process. A “WU” (withdrawal, unauthorized) is appropriate only when there is substantive work missing from the course. An “INC” (incomplete) is appropriate only when there is a small amount of missing content and there is a plan in place to backfill that material. An “INC” will have a default grade assigned in the case that the work does not get submitted in a timely fashion.

### **Classroom Protocol**

Each week represents three weeks of regular semester work. As such, it is critical that you be engaged and participate actively. While there are always some speedbumps, I expect us to work collaboratively together in support of appropriate educational outcomes. This means that all work you turn in represents your own personal efforts, avoiding plagiarism, pay-to-write services, AI-generation of content, etc. I have tried to personalize the assignments to the specifics of this course to minimize such temptations.

### **University Policies**

Per [University Policy S16-9](#), 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.

### CALENDAR OF COVERAGE AND DUE DATES (except quizzes)

Note that I often use FRIDAY as a day for due dates or exams despite not having class meetings on that day.

	8-Jul	9-Jul	10-Jul	11-Jul	12-Jul
	12:00-2:00				
CLASS	12:00-2:00	12:00-2:00	12:00-2:00	12:00-2:00	
LAB		2:15-5:00		2:15-5:00	
Chapter	C1	C1/C2	C2/C3	C3	
CONTENT	DUE: Activity	ZOOM lab Graphing Lab		Ethics Class project Observation Lab DUE: Activity	DUE: Graphing DUE: Ethics DUE: Individual
	15-Jul	16-Jul	17-Jul	18-Jul	19-Jul
	12:00-2:00				
CLASS	12:00-2:00	12:00-2:00	12:00-2:00	12:00-2:00	
LAB		2:15-5:00		2:15-5:00	
Chapter	C4	C4	C5	C5	
CONTENT		Library Lab	DUE: Class	DUE: Class Class project DUE: Activity DUE: Activity	DUE: Library DUE: Observation DUE: Individual
	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul
	12:00-2:00				
CLASS	12:00-2:00	12:00-2:00	12:00-2:00	12:00-2:00	
LAB		2:15-5:00		2:15-5:00	
Chapter	C6	C6/C7	C7/C8	C8	
CONTENT		DUE: Class	DUE: Class DUE: Individual	DUE: Activity DUE: Activity	DUE: Class
	29-Jul	30-Jul	31-Jul	1-Aug	2-Aug
	12:00-2:00				
CLASS	12:00-2:00	12:00-2:00	12:00-2:00	12:00-2:00	
LAB		2:15-5:00		2:15-5:00	
Chapter	C9	C9/C10	C10/C11	C11	
CONTENT	DUE: Class DUE: Individual			DUE: Individual DUE: Activity	DUE: Individual

	5-Aug	6-Aug	7-Aug	8-Aug	9-Aug
	12:00-				
CLASS	2:00	12:00-2:00	12:00-2:00	12:00-2:00	
LAB		2:15-5:00		2:15-5:00	
Chapter	C12	C13	C14	review	
		DUE:		DUE:	
CONTENT		Individual	DUE: Activity	Individual	DUE: External
		DUE: Individual		Individual	DUE: Individual
				DUE: Activity	