San José State University
College of Social Sciences/Psychology
PSYC 121-A,

Advanced Research Methods Social & Personality Seminar & Lab,

Section 10/11

Fall 2022

Course and Contact Information
Instructor(s): Sandra Trafalis, Ph.D
Office Location: DMH 231
Telephone: (408) 924-5614
Email: Sandra.Trafalis@sjsu.edu
Office Hours: Thursday 1:00 – 2:00pm; Friday 4:30 – 6:30pm
Class Days/Time: Fridays; 12:30 – 1:20pm; 1:30 - 4:15pm
Classroom: Seminar DMH 355  Lab DMH 339
Prerequisites: PSYC 001 or equivalent and STAT 095 or equivalent, 100W

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. Prerequisite: 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 Format
The course is in-person and there is a lecture and lab component to this course.

Program Information
Program Learning Outcomes
Upon successful completion of the requirements for a major in psychology, students will be able to:

- PLO1 – Knowledge Base of Psychology – identify, describe, and communicate the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology
- PLO2 – Research Methods in Psychology – design, implement, and communicate basic research methods in psychology, including research design, data analysis, and interpretations
- PLO3 – Critical Thinking Skills in Psychology – use critical and creative thinking, skeptical inquiry, and a scientific approach to address issues related to behavior and mental processes
- PLO4 – Application of Psychology – apply psychological principles to individual, interpersonal, group, and societal issues
- PLO5 – Values in Psychology – value empirical evidence, tolerate ambiguity, act ethically, and recognize their role and responsibility as a member of society

insert any program or department information here as appropriate.
Course Goals

Course Learning Outcomes (CLO)

The objective of this course is to provide you with a solid introduction to psychological research. We will examine the logic and strategies of scientific research and learn how to use statistics to draw conclusions from data. You will learn what research methods are available, when to use specific research methods, and how to interpret research results.

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

• CLO 1 Understand the differences and limitations of experimental and correlational research designs.
• CLO 2 Evaluate psychological research as to its reliability, validity, utility, and adherence to ethical guidelines.
• CLO 3 Identify threats to validity in research, including confounds and threats to generalizability.
• CLO 4: Execute a research project utilizing experimental design and interpret the results.
• CLO 5: Perform statistical analyses on data including descriptive statistics and inferential statistics.
• CLO 6: Draw valid conclusions about the social phenomena studied based on the data collected.
• CLO 7: Write a scientific research report to present the findings of your research study.

The learning objectives will be assessed via written assignments and exam questions. The learning objectives will be assessed via written assignments, presentations, discussion posts, and exam questions.

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

1. Design and Conduct a research study in the area of Social & Personality Psychology
2. Discuss the strengths and limitations of their research study
3. Prepare a professional APA style empirical report

Texts/Readings

Recommended Textbook


Other Readings

Additional Readings will be posted to CANVAS

Other technology requirements / equipment / material

SPSS (most current version)

Library Liaison

Christa Bailey christa.bailey@sjsu.edu
Course Requirements and Assignments

Lab Activities

There will be a total of 10 lab activities that are designed to complete critical milestones in the research project and practice research-related skills (e.g., how to develop an operational definition) and concepts (e.g., what is an operational definition). The lab activities will directly contribute to your ability to complete the final project. These activities will be worth 40%.

Please bear in mind that 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 Evaluation

Your final research project will be the final assessment of the course learning outcomes (CLO 1-7). This project is worth 60% of your grade. The final project will be an APA-style research paper that involves developing a literature review, designing a methodology, collecting data, analyzing the data, and reporting the results. This project is considered the culminating assignment for the course and is due on the day of the final exam.

Grading Information

Lab activities and the final research project will be assessed according to how well they align with mastery of the course learning objectives. Students will be given detailed feedback according to the course rubric and given the opportunity to revise their work and resubmit based on peer feedback and feedback from the instructor.

Determination of Grades

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<thead>
<tr>
<th>Grade</th>
<th>Points</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>930 to 1000</td>
<td>93 to 100%</td>
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<tr>
<td>A minus</td>
<td>900 to 929</td>
<td>90 to 92%</td>
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<td>B plus</td>
<td>860 to 899</td>
<td>86 to 89%</td>
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<td>B</td>
<td>830 to 859</td>
<td>83 to 85%</td>
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<tr>
<td>B minus</td>
<td>800 to 829</td>
<td>80 to 82%</td>
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<td>C plus</td>
<td>760 to 799</td>
<td>76 to 79%</td>
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<td>C</td>
<td>730 to 759</td>
<td>73 to 75%</td>
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<tr>
<td>C minus</td>
<td>700 to 729</td>
<td>70 to 72%</td>
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<tr>
<td>D plus</td>
<td>660 to 699</td>
<td>66 to 69%</td>
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<td>D</td>
<td>630 to 659</td>
<td>63 to 65%</td>
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<tr>
<td>D minus</td>
<td>600 to 629</td>
<td>60 to 62%</td>
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Rounding is Included in the Grading Scale

The point totals reflect rounding up to the nearest percentage. For example, an A- would normally require 900 points (or 90% of 1000 points). With rounding, it only requires 896 points (or 89.6% of 1000 points). Because rounding is built in to the grading scale, your grade will be based on your final point total, rounded to the nearest whole point (so, 895.6 points is an A-, but 895.4 points is a B+). To be fair to everyone in the class, these are firm cutoffs.
Make-Up and Extension Policy

Make-ups or extensions for any graded assignment will only be given when:
- You notify me immediately after you become aware of the circumstances requiring a make-up
- The reason is exceptional, unforeseen, and/or unavoidable. Some examples of exceptional unforeseen circumstances are but not limited to getting sick, health emergencies, religious obligations, and military service.

Classroom Protocol

How to be Successful in this Course

§ Review the current week’s module
§ Read all material assigned in the module
§ Complete all activities and assignments assigned in the module;
§ Complete project related assignments and activities, individual activities & group activities
§ Complete the final research project
§ Participate in weekly lab meetings with your research group
§ Ask questions when you get stuck, I will do my best to answer them or refer you to university resource, as needed.
§ Utilize the lab to complete individual and lab group assignments and obtain instructor feedback
§ Email me through CANVAS or at the Email on the syllabus above

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). Please make sure to visit this page to review and be aware of these university policies and resources.

Additional Information

Academic Integrity

Please don’t cheat. I will not tolerate academic dishonesty in my courses. You can expect me to follow all University policies and protocols regarding the handling of suspected academic dishonesty. Penalties may include expulsion from SJSU. Software and statistical analysis may be used to detect academic dishonesty.

About Diversity

Consistent with the mission of San José State University, I welcome persons of differing backgrounds and experiences including but not limited to age, disability and health status, ethnicity and race, family structure,
geographic region, language, religious/spiritual and secular beliefs, resident status, sex, sexual orientation, gender identity/expression, and socioeconomic status.

It is my goal to foster an environment in which diversity is recognized and embraced, and every person is treated with dignity, respect, and justice. I hope that your academic experience in this course and at San José State University will provide the opportunity to gain knowledge and experiences necessary to thrive in a diverse, global environment.
The course schedule is tentative and likely to change; modifications will be announced in class and posted to Canvas.

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<tr>
<th>Module</th>
<th>Module Topic</th>
<th>Reading Assignment</th>
<th>Assignment</th>
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<tbody>
<tr>
<td>1</td>
<td>Developing your topic</td>
<td>Handouts/Prompts</td>
<td>Weekly Lab Assessments</td>
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<td>Lab-Project Related Activities</td>
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<td>2</td>
<td>Developing a Testable Idea</td>
<td>Handouts/Prompts</td>
<td>Weekly Lab Assessments</td>
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<td>Lab-Project Related Activities</td>
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<td>3</td>
<td>Hypothesis development</td>
<td>Handouts/Prompts</td>
<td>Weekly Lab Assessments</td>
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<td>4</td>
<td>Designing the study &amp; Materials</td>
<td>Handouts/Prompts</td>
<td>Weekly Lab Assessments</td>
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<td>Lab-Project Related Activities</td>
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<td>5</td>
<td>Collecting the data</td>
<td>Handouts/Prompts</td>
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<td>Lab-Project Related Activities</td>
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<td>6</td>
<td>Analyzing the data</td>
<td>Handouts/Prompts</td>
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<td>7</td>
<td>Communicating the Results</td>
<td>Handouts/Prompts</td>
<td>Weekly Lab Assessments</td>
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<td>Lab-Project Related Activities</td>
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<td>8</td>
<td>Writing Up Your Project</td>
<td>Handouts/Prompts</td>
<td>Weekly Lab Assessments</td>
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<td></td>
<td>Final Evaluation</td>
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<td>Final Projects Due (12/13)</td>
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