

Psychology 100: Research Methods in Psychology
Summer 2022

Class Meetings: July 26 - August 27

Lecture: Mondays and Wednesdays, 9:00-12:30

Meeting ID: 986-9586-6703 (Password: lecture)

<https://ucsc.zoom.us/j/98695866703?pwd=QXJvN2VwUmxrYU94KzVjY281QURlUT09>

All lectures will be recorded and posted on Canvas

Professor: Benjamin Storm, Ph.D. (he/him)

Office Hours: Thu, 11:30-1:00, or by appt.

Meeting ID: 936-7141-3219 (447768)

<https://ucsc.zoom.us/j/93671413219?pwd=Smx1bGJvYlJqSGE4bDJLV2dvemdPZz0>

Email: storm@ucsc.edu

Teaching Assistant: Mercedes Oliva (she/her/hers) - (Section A)

Section Time: Fri, 9-10:30

Office Hours: Thu, 11-12:30, or by appt.

Meeting ID: 993-9572-1260 (methods)

<https://ucsc.zoom.us/j/99395721260?pwd=bU1ubUIBYzRYNENUMUlRMDJBOXV6Zz09>

Email: mtoliva@ucsc.edu

Teaching Assistant: Charles Baxley (he/him/his) - (Section B)

Section Time: Fri, 9-10:30

Office Hours: Tue, 12-1:30, or by appt.

Meeting ID: 950-4754-2659 (782958)

<https://ucsc.zoom.us/j/95047542659?pwd=dWZ2M25Wekh0aG8wZmFxb0pVSDJ4QT09>

Email: cbaxley@ucsc.edu

Teaching Assistant: Allie Allen (any pronouns) - (Section C)

Section Time: Fri, 11-12:30

Office Hours: Tue, 11-12, or by appt.

Meeting ID: 986-9502-4148 (601249)

<https://ucsc.zoom.us/j/98695024148?pwd=YndGUEQ2YURNSFJlMnNGNzdNYXVrdz09>

Email: alkallen@ucsc.edu

Teaching Assistant: Edward Pashkov - (Section D)

Section Time: Fri, 11-12:30

Office Hours: Wed 4-5, or by appt: <https://edwardpashkov.weebly.com/make-an-appointment.html>

Meeting ID: 980-9421-8820 (psych100)

<https://ucsc.zoom.us/j/98094218820?pwd=YWtEeUFkT1YwUWJlVDAweVRJQ3FRZz09>

Email: epashkov@ucsc.edu

Teaching Assistant: Jada Cheek (she/her) - (Section E)

Section Time: Fri, 1-2:30

Office Hours: Tue 11-12:30, or by appt.

Meeting ID: 956-9421-6892 (support!)

<https://ucsc.zoom.us/j/95694216892?pwd=bVc1VVE4S0RBVFBHbmVlNlhxZWZz09>

Email: jcheek@ucsc.edu

Teaching Assistant: Sam Hughes (he/him/his) - (Section F)

Section Time: Fri, 9-10:30

Meeting ID: 986-7311-0360 (727360)

<https://ucsc.zoom.us/j/98673110360?pwd=MTYrZjRlU1dGMXExUE1udlhKRjdLQT09>

Office Hours: Thu 11:30-1, or by appt.

Meeting ID: 990-2294-8087 (096087)

<https://ucsc.zoom.us/j/99022948087?pwd=d1pvS25UTVZlZjE1dUJFVXg2YjRIUT09>

Email: sadhughe@ucsc.edu

Course Description:

An introduction to research methods used to investigate human psychology. The course emphasizes critical thinking, designing and conducting research, analyzing and interpreting data, and writing a professional research report.

Prerequisites: Entry Level Writing and Composition requirements; AM 3 or 6, or Math 3 or higher Mathematics course; and Psyc 2, or Stat 5, or Stat 7 and Stat 7L.

Enrollment Information:

To take the class, you must be enrolled in lecture and an associated section. You must attend the section in which you are enrolled. The maximum enrollment for the class is 144 students (24 students per section). Unfortunately, no exceptions can be made to this capacity. Sections will begin Week 1.

The Required Textbook: Beth Morling (2020). *Research Methods in Psychology: Evaluating a World of Information*. W.W. Norton & Company. 4th Edition.

The book is available at the Bay Tree Bookstore and can also be rented or purchased online. If you have the 3rd edition, it should be okay. You are also strongly encouraged to purchase or borrow the APA Publication Manual, though many of the resources available in the manual are also available online. Additional readings, class materials, and homework assignments are available on canvas. If you need any of these materials in a different format, let me know, and I will send them to you.

Course materials are posted on Canvas, <http://canvas.ucsc.edu>.

For help using Canvas, please visit:

Canvas help pages: <https://guides.instructure.com/m/4212>

Canvas tech support from the FITC: canvas.help@ucsc.edu

Course Information:

Psych 100 is designed to give you initial exposure to research methods in psychology. We will use a lecture format, but I encourage active questioning and discussion to the extent possible in a large class using Zoom.

Lectures will take place on Zoom during the regularly scheduled time blocks of Mondays and Wednesdays, 9:00 am - 12:30 pm. They will be recorded and made available on canvas via YuJa. You will be able to attend the lectures live and or watch the videos later, but we strongly encourage you to attend live if possible.

Section attendance is required. You are expected to attend sections synchronously. If you know that you will miss a section, or if you do miss a section, email the TA to let them know and to request an excused absence (you do not need to provide any type of evidence or personal information). Each section will be recorded and students with an excused absence will be provided a link to the recording.

The exams will need to be completed on the dates specified, but you will be able to complete them at any time during those dates as long as they are submitted by the deadline. There will be no lecture on the dates of exams; you are encouraged to take the exams during the regularly scheduled time blocks.

Course Goals:

The course has three main goals. First, it will give you a basic understanding of some of the core methodological approaches and considerations in psychology research. Second, to give you the opportunity to experience first-hand what it is like to conduct psychology research. Finally, we hope it will provide you with a new sense of intellectual excitement for the power and potential of scientific research to answer some of the biggest questions we have about ourselves.

As an introductory research methods course in psychology, we will focus on some of the methods most frequently used to address psychological questions. Thus, if you become a research psychologist, you should find this course to be a valuable and informative introduction to how scientific research is conducted in psychology. That said you should find what you learn in this course to be transferable to the practice of good research in any domain. Moreover, regardless of one's future career path, everyone needs to be able to evaluate the results of research, and this course will help you to be a more informed and critical evaluator of research.

The course is highly work-intensive. Because it is a 7-credit course, the workload is going to be greater than a typical course. In fact, according to university guidelines, combining across in-class and out-of-class activities, you should expect to devote 42 hours per week to the class (6 hours per credit). We are telling you this because we want you to take the class seriously from the start. If you fall behind, you may find it difficult to catch up, and you could end up failing the course. Attend all the lectures and sections, keep up with the readings, and turn in assignments on time. We want everyone to do well in the course, and we will work with you to help make that happen, but you will need to put in the necessary time and work as well.

Visit us!!! The professor and TAs are happy to meet with you to answer any questions you have about the course or about psychology research in general. Feel free to drop by during office hours or, if that doesn't work, send us an email to set up an appointment. You are encouraged to meet with your TA to discuss the assignments, get feedback on papers, etc.

Evaluation

Course grades will be determined based on your performance on the writing assignments, section activities, and multiple-choice examinations.

Grading Scale:

| | | | |
|---------------|---------------|---------------|---------------|
| 98-100% = A+ | 88-89.9% = B+ | 78-79.9% = C+ | 62-67.9% = D |
| 92-97.9% = A | 82-87.9% = B | 70-77.9% = C | 60-61.9% = D- |
| 90-91.9% = A- | 80-81.9% = B- | 68-69.9% = D+ | 0-59.9% = F |

IMPORTANT. To pass the class, you must earn an overall score of 70% or better on both the Examination portion of the class and the Research/Section portion of the class. If you do not pass one of these two components, then you will not pass the class, even if you finish with a combined overall score above 70%. In such cases, the highest final grade you will be able to receive is a C-.

Examinations

Midterm (20%). There will be a midterm on August 8. The midterm will consist of 60 multiple-choice questions covering all material from the course, including lectures, readings, and discussion sections. The midterm will focus on material covered weeks 1-2. You will be able to take the midterm at any point in the day, but we strongly encourage you to take it during the regularly scheduled timeblock. It will be available between 12:01 am and 11:59 pm.

Final Exam (30%). There will be a final exam on August 24. It will be cumulative and cover all material from the course, focusing in particular on material covered since the midterm. It will consist of 90 multiple-choice questions. As with the midterm, you will be allowed to take the exam at any point in the day, but we strongly encourage you to take it during the regularly scheduled timeblock. It will be available between 12:01 am and 11:59 pm.

Exam Policies. You will be allowed to use all course materials, but you must take the exams alone and without help from others. You will be allowed up to two attempts to take each exam, with only your highest score counting towards your final grade. By default, a missed exam will be marked as a zero in the gradebook. Make-up exams will be given only when absolutely necessary. If you know you will miss an exam, or if you do miss an exam, please email Professor Storm as soon as possible to let him know. The earlier we know, the more options we will have.

Research/Section

The other half of your grade will be determined by your performance on homework and writing assignments. All assignments will be due by 11:59 pm on the dates shown below. Major research paper assignments are shown in bold.

Friday, Jul 29 – Journal Article
Monday, Aug 1 – Response Paper
Thursday, Aug 4 – Study Idea and Annotated Bibliography
Friday, Aug 12 – **Preliminary Paper**
Monday, Aug 15 – HT/CE #1
Thursday, Aug 18 – HT/CE #2
Friday, Aug 26 – **Final Paper**

Section Assignments/Attendance (15%). Activities and homework will be assigned throughout the course to help you prepare to write your paper and to expand upon the methods and concepts covered in lecture. Late assignments will be accepted for half credit up until 48 hours after they are due. After that, no credit will be possible. Take the section assignments seriously. They are designed to help you prepare for

the examinations and develop your ideas for the research papers. Points will also be deducted for every unexcused absence in section.

Preliminary Paper (17.5%). Students will select a topic, review relevant literature, develop a specific research question or hypothesis, and design a study to investigate that question or hypothesis. Each student will write an APA-style research proposal consisting of a title page, an abstract, an introduction, a method section, a reference section, and a table/figure. An extensive writing guide is available on canvas, as well as resources for writing in APA style. The preliminary paper is due by 11:59 pm on Friday, August 12. Late papers will be accepted, but 10% will be deducted for each day they are late. No papers will be accepted for credit after Wednesday, August 17.

Final Paper (17.5%). The final paper should be a significant revision of the preliminary paper, with substantial changes based on what you learned in lecture and from the readings since turning in your preliminary paper, and in response to your TA's comments on the preliminary paper. The final paper is due by 11:59 pm on Friday, August 26. Late papers will be accepted, but 10% will be deducted for each day they are late. No papers will be accepted for credit after August 29.

More about the Preliminary and Final Papers. Coming up with a new research idea is one of the most difficult yet rewarding challenges a researcher will face. There are many ways to come up with a research idea. You might, for example, try to replicate and extend upon a published finding, or you might try to test the assumptions of a theoretical account of a particular psychological phenomenon. On the one hand, we want to give you flexibility in designing your research. On the other hand, we want you to design your study in a way that will put you in a strong position to write an effective paper and receive a good grade in the class. Your TA will help you through the process as you design your study and develop your paper.

Your goal is to design your study in a way that is appropriate for answering your research question. This may involve designing an experiment, constructing a survey, or developing some other methodological approach discussed in class or the textbook. In previous years, students worked in groups to collect data. Due to the situation with COVID-19, however, students will be working independently and writing research proposals. One upside of this plan is that you will have more flexibility in deciding the type of study that you will propose and the populations from which you can sample.

More information about the writing assignments along with an extensive writing guide, grading rubrics, and other materials are available on canvas (files/writing assignments). Also see pp. 523-559 in the text for a detailed description of how to write a research report and an example of an APA-style manuscript.

| Week 1 | Topic (Reading) | Assignment Due |
|--------|--|--|
| Jul 25 | Introduction to the Course and Psychological Science (Chapters 1, 2) | |
| Jul 27 | Validity, Measurement, and Statistics (Chapters 3, 5, pp. 467-522) | |
| Jul 29 | Introduction; Finding Journal Articles and Developing an Annotated Bibliography; Generating Research Ideas | Jul 29: Journal Article |
| Week 2 | Topic (Reading) | Assignment Due |
| Aug 1 | Observations, Surveys, and Sampling (Chapters 6, 7) | |
| Aug 3 | Correlational Research (Chapter 8) | |
| Aug 5 | Discuss Response Papers; Developing Research Ideas; Writing the Preliminary Paper | Aug 1: Response Paper Aug 4: Bibliography |
| Week 3 | Topic (Reading) | Assignment Due |
| Aug 8 | Midterm | |
| Aug 10 | Experimental Research (Chapters 10, 11) | |
| Aug 12 | HT/CE #1 Assignment; Answer Last-Minute Questions about Preliminary Paper | Aug 12: Preliminary Paper |
| Week 4 | Topic (Reading) | Assignment Due |
| Aug 15 | Factorial Designs and Quasi-Experiments (Chapters 12, 13) | |
| Aug 17 | Research Ethics, Publishing, Grad School (Chapters 4, 14) | |
| Aug 19 | HT/CE #2 Assignment; General Feedback on Preliminary Papers; Writing Predicted Results and Discussion | Aug 15: HT/CE #1 Aug 18: HT/CE #2 |
| Week 5 | Topic (Reading) | Assignment Due |
| Aug 22 | Grad Student Showcase; Review Session | |
| Aug 24 | Final Exam | |
| Aug 26 | Extended Office Hours to Help Students Finish Final Papers (attendance not required) | Aug 26: Final Paper |

Research Participation. The Psychology Department provides an opportunity for students in this course to gain extra credit by participating in psychology research projects (surveys or experiments) for up to **two hours**, or by completing up to two alternative assignments (see below).

Follow these easy steps to sign-up for research projects:

- 1) Go to the Sona website at <https://ucsc.sona-systems.com>
- 2) If you are enrolled in the class at the start of the quarter, then an account should already be created for you. To log in for the first time, click “Forgot Password?” to retrieve the pre-set password. For those who added the class late, or for some reason the system won’t let you log in, you may need to click “Request Account.” Only request a new account if the “Forgot Password” link isn’t working.
- 3) **Always enter your UCSC email address.** You will receive your password via email.
- 4) Log in and follow the instructions to complete the Prescreening Questionnaire. Your responses on this questionnaire will determine your eligibility for different studies.

IMPORTANT: You can earn research credits points by either participating in studies (in-lab experiments or online surveys) or writing papers (the alternative assignment). Studies are posted throughout the quarter. Plan ahead and complete them as soon as possible. Check online often for new studies. If you know you cannot make it, and if the time until the study is more than 24 hours, you can cancel on Sona. If you fail to show up for a study, or fail to cancel in time, you will be marked as having an “unexcused no-show.” If you accumulate three unexcused no-shows, you will be prevented from signing up for more experiments. All participation must be completed by Friday of the last week of instruction.

What if you can’t find studies? Although some studies may be available right at the start of the quarter, there may not be enough for everyone. Please be patient, researchers will post new studies throughout the quarter. There is usually a big spike in hours during the last couple weeks. If you are concerned about the availability of hours, please don’t email your instructors or TAs, instead email the pool administrator so that they can try to address the issue directly (ucscresearchpool@gmail.com). This is also the best email to use if other issues arise during the quarter. If you participated in a study but didn’t receive credit after two days, please start by emailing the researchers directly. If the researchers don’t respond, then send an email to the pool administrator. Rest assured, however, that all pending timeslots will be given credit at the end of the quarter before a report is sent to your professor.

Alternative assignment: If you prefer to not participate in research projects (or if you are under the age of 18) you may substitute up to **two papers**, each critically evaluating a psychology research article. If you are doing the alternative written assignments, they must be submitted via canvas by the last day of instruction. If you have any questions or concerns please contact the research pool administrator at ucscresearchpool@gmail.com. Please note that plagiarized papers will result in a No Pass.

Each paper should be 1-2 pages (double spaced, 12-point, times new roman) and critically evaluate a psychology research article (addressing the questions shown below). You will need to find articles published in 2021 or 2022 in one of the following journals: (a) *Psychological Science*; (b) *Psychonomic Bulletin & Review*; (c) *Journal of Personality and Social Psychology*; (d) *Developmental Psychology*.

- 1) What were the basic questions or hypotheses under investigation?
- 2) How did the researchers test their hypotheses?
- 3) What did the researchers find and how were these findings interpreted?
- 4) Are you convinced? Why or why not? Explain.

Important Summer Session 2022 Deadlines:

Session 2:

Add: Thursday, July 28

Drop: Monday, August 1

Request "W" Grade: Sunday, August 14

Change Grade Option: Sunday, August 21

Summer is unique. **You will not be dropped for non-attendance or non-payment.** You must drop yourself.

For all dates and deadlines: <https://summer.ucsc.edu/studentlife/index.html>

For questions about dropping, requesting a W grade for a course, or withdrawing from the summer quarter, email summer@ucsc.edu.

DRC Remote Accommodations:

UC Santa Cruz is committed to creating an academic environment that supports its diverse student body. If you are a student with a disability who requires accommodations to achieve equal access in this course, please affiliate with the DRC. I encourage all students to benefit from learning more about DRC services to contact DRC by phone at 831-459-2089 or by email at drc@ucsc.edu. For students already affiliated, make sure that you have requested Academic Access Letters, where you intend to use accommodations. You can also request to meet privately with me during my office hours or by appointment, as soon as possible. I would like us to discuss how we can implement your accommodations in this course to ensure your access and full engagement in this course

Academic Dishonesty

Academic integrity is the cornerstone of a university education. Academic dishonesty diminishes the university as an institution and all members of the university community. It tarnishes the value of a UCSC degree. All members of the UCSC community have an explicit responsibility to foster an environment of trust, honesty, fairness, respect, and responsibility. All members of the university community are expected to present as their original work only that which is truly their own. All members of the community are expected to report observed instances of cheating, plagiarism, and other forms of academic dishonesty in order to ensure that the integrity of scholarship is valued and preserved at UCSC.

In the event a student is found in violation of the UCSC Academic Integrity policy, they may face both academic sanctions imposed by the instructor of record and disciplinary sanctions imposed either by the provost of their college or the Academic Tribunal convened to hear the case. Violations of the Academic Integrity policy can result in dismissal from the university and a permanent notation on a student's transcript.

For the full policy and disciplinary procedures on academic dishonesty, students and instructors should refer to the [Academic Integrity page](#) at the Division of Undergraduate Education.

Distribution of Course Materials (Lecture Notes, Slides, Videos, Quizzes, etc.)

Students may be disciplined for selling, preparing, or distributing course lecture materials for any commercial purpose, whether or not they were the person taking the notes. The unauthorized sale of lecture notes and handouts, readers, quiz questions, or other course materials, is a violation of campus policies, state law, and may also constitute copyright infringement subject to legal action.

Title IX:

The university cherishes the free and open exchange of ideas and enlargement of knowledge. To maintain this freedom and openness requires objectivity, mutual trust, and confidence; it requires the absence of coercion, intimidation, or exploitation. The principal responsibility for maintaining these conditions must rest upon those members of the university community who exercise most authority and leadership: faculty, managers, and supervisors.

The university has therefore instituted a number of measures designed to protect its community from sex discrimination, sexual harassment, sexual violence, and other related prohibited conduct. [Information about the Title IX Office](#), the [online reporting link](#), applicable campus resources, reporting responsibilities, the [UC Policy on Sexual Violence and Sexual Harassment](#), and the UC Santa Cruz Procedures for Reporting and Responding to Reports of Sexual Violence and Sexual Harassment can be found at titleix.ucsc.edu.

The Title IX Office is actively responding to reports and requests for consultation. If you are not currently working with someone in the office and want to make a report/request a consult, you can expect the fastest response by using our [online reporting link](#).

For more information please visit the [Title IX Operations under Covid-19](#) page.

Basic Needs, Counseling, and Psychological Services

Any student experiencing difficulty affording or accessing nutritious food, or who does not have a safe, stable place to live, is urged to contact Slug Support at 831-459-4446 or deanofstudents@ucsc.edu. A comprehensive listing of food and housing resources on campus and in Santa Cruz is available at basicneeds.ucsc.edu.

If you are feeling highly stressed, anxious, or depressed, please avail yourself to help from Counseling and Psychological Services (CAPS) at the Student Health Center (831-459-2628). The CAPS web page also provides information about seeing a therapist and lists various crisis numbers: <http://caps.ucsc.edu>.