

**San José State University**  
**Department of Psychology**  
**Psychology 120, Advanced Research Methods and Design,**  
**Sections 10, 11 SPRING 2022**

**Course and Contact Information**

<b>Instructor:</b>	Greg Savage, M.A. (and Dr. Mark Van Selst for the first half)
<b>Office Location:</b>	NA (DMH 314 for Dr. Mark Van Selst)
<b>Telephone:</b>	408-924-5648 (first <u>third</u> : 408 924 5674)
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<b>Office Hours:</b>	Monday and Wednesday      MVS: MW 2:30 to 3:00 (except 2/7,28;3/16,21)
<b>Class Days/Time:</b>	Lecture (LEC): Mon & Wed 3:00 to 4:15 PM Lab (ACT) sec 10: Monday 4:30 to 6:30 PM Lab(ACT) sec 11: Wednesday 4:30 to 6:30 PM
<b>Classroom:</b>	Lecture: zoom (first third: see email for zoom link )
<b>Prerequisites:</b>	Psyc 1, Stat 95, Psyc 100W

From the SJSU catalog: *Descriptive, correlational, quasi-experimental, and experimental approaches: design, methodology, and analysis. Experience designing, conducting, analyzing, and presenting research findings*

### **Course Format**

This course follows an online synchronous format with lectures, discussions, and activities taking place during scheduled Zoom meetings. Please see the course schedule for specific due dates.

### **Course Learning Outcomes**

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

CLO 1 Understand how psychology is a science in which people seek to gain knowledge about behavior and mental processes by running experiments and other types of studies

CLO 2 Understand how the scientific method is used in psychological research

CLO 3 Understand the differences between the different types of studies and different types of research designs used in psychological research

CLO 4 Understand why different research methods are needed for different research situations

CLO5 Understand and know the advantages and disadvantages of specific research methods

CLO6 Understand and know the vocabulary associated with psychological research methods

CLO 7 Understand how to treat research participants ethically and why the ethical treatment of participants is important and necessary

CLO 8 Understand the factors that can affect the ability of a research study to provide a sound answer to a researcher's question and how to reduce or eliminate these factors

CLO 9 Understand why statistics are important and needed in psychological research

CLO 10 Understand the meaning of statistical significance

CLO 11 Conduct statistical analyses and interpret the results

CLO 12 Understand the limitations of the results of research studies and draw appropriate conclusions from the results of research studies

CLO 13 Carry out a research study from beginning to end (including writing a research report)

## 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.

## Recommended Texts/Readings

1) Myers, A., & Hansen, C. H. (2011). *Experimental psychology* (7th ed.). Belmont, CA: Wadsworth Cengage. ISBN number: 978-0-495-60231-6

**MVS NOTE: I have added a zero cost REQUIRED text since I do need one place (other than lecture notes) that you can authoritatively look to see "the" definition of a concept. I will be referencing this text through the "Mark Van Selst" first third of this course.**

2) American Psychological Association. 2020. *Publication Manual of the American Psychological Association 2020: The Official Guide to APA Style*. 7th ed. Washington, D.C., DC: American Psychological Association.

**MVS NOTE: the "original" syllabus cited the 2010 version -- I have no idea if this was a error but I expect and require you to format to the current (2020, 7th edition) version as listed above.**

**(ISBN 13: 978-1433832161; ISBN 10: 143383216X)**

## Other Readings

Students will also read typed lectures and peer-reviewed journal articles that they find online.

## Other technology requirements / equipment / material

Students will need to have reliable Internet access for use during class, in labs, for team meetings, and for homework.

## Course Requirements and Assignments

### Exams:

One midterm exam and one non-cumulative final exam will take place during the semester.

Each exam will include multiple choice questions and short essay questions.

Each exam will be open notes and open book (**taken during class for MVS; at home for Savage**).

Exams need to be completed individually; collaboration on exams is a violation of academic integrity policies.

for Savage: Each exam will lose 10% of credit for each hour that it is late.

Cheating on exams will not be tolerated. Please refer to the section on Academic Dishonesty for information on the consequences of cheating and mandatory reporting of academic integrity violations.

### Typical Typed Lecture Assignments:

During certain weeks, I may post an assignment in which you read a typed version of the current week's lecture material. Each of these assignments will ask you to answer multiple choice questions at the end of each section of the typed lecture. Each of these assignments will also ask you to respond to two short answer questions (at the end of the assignment).

During each week that has a typed lecture assignment, the assignment will need to be uploaded to Canvas by Thursday at midnight. Each of these assignments will lose 10% of credit for each hour that it is late (until it is worth 50% credit).

Notes:

1. Each typed lecture assignment is an individual assignment. Each student will need to upload his or her own assignment to Canvas. Although students can privately discuss questions that they are unsure about, they cannot blindly copy other students' answers or publicly share their answers with the entire class. Also, a student's response to a short answer question needs to be written in his or her own words (i.e., not copied from another student or web-source).
2. Students' answers to the short answer questions must not contain information that was copied word-for-word from the internet or an outside source. Any information that you find on a website (or any outside source) must be paraphrased. You are welcome to contact me for assistance with paraphrasing and citing the intellectual work of others.

## **Discussion Questions:**

On non-activity days, students will complete a set of discussion board questions during the last portion of the lecture period (i.e., the 2:15 to 3:30 PM time slot).

Each discussion set will include 3 questions.

In each discussion set, the first two questions will focus on concepts, terms, and facts covered during that day's lecture. The first two questions might have multiple parts to them.

In each discussion set, the third question will ask you to pose a question to the other students in the class or attempt to answer another student's question.

You won't be able to view other students' answers to the first two questions until you post your answer, but you will be able to view other students' answers to the third question before you post your answer. Please don't post blank or incomplete answers to gain access to the discussion board. If you do, any information you post after having access to other students' answers will receive a 50% penalty (because it will be considered a correction to your original answer).

On each day that a discussion set is assigned, the discussion set will be open before the lecture period. It will then be closed while I am lecturing and reopened after I finish the lecture.

After the discussion set is reopened, I will place each student in an individual breakout room to work on the discussion questions. I will be available to come around and help students during this time.

If a student finishes the discussion set early, the student can request to be placed in breakout room belonging to a randomly assigned group of students to compare answers with students who are present in the breakout room.

During the last 5 to 10 minutes of class, I will close the breakout rooms and close the discussion board. I then explain the correct answers to the current day's discussion questions.

On each day that a discussion set is assigned, the discussion set will be due at the time when I close the discussion set during roughly the last 5 to 10 minutes of class.

Late discussion posts will lose 10% credit for each hour that they are submitted late (until they are worth 50% credit).

After I explain the answers to the discussion questions (at the end of class), I will reopen the discussion set and students will have the opportunity to correct their answers any time before midnight of the same day.

If you make a correction to one of your discussion posts, you will earn 50% credit for any information you correct successfully.

**Activities:**

On certain days during the semester, we will complete an in-class activity during the lecture period (i.e., the 2:15 to 3:30 PM time slot). Each in-class activity will be posted on Canvas ahead of time. On each day in which an activity is due, I will begin class with an explanation of the activity. I will then place each student in an individual breakout room or in a breakout room with a randomly assigned group of students (depending on the format / structure of the day's activity). I will be available to come around and help students as they complete the current day's activity.

During each in-class activity, you will complete exercises such as participating in experiments, recording data, performing calculations, creating graphs, interpreting graphs, running card simulations, or using websites. Each in-class activity might also include multiple choice or short answer questions.

On each activity day, the activity will be due at midnight (by Canvas upload). The submission format will vary depending on the activity. Late activities will lose 10% of credit for each hour that they are late (until they are worth 50% credit).

**Project:**

Students will work in groups of 1 – 5 people on a research project in which data is collected from human participants, the data is analyzed, and a complete APA report is written. The details of the requirements for this project will be provided during the semester.

Each group of students will write the APA report as a group. Each group will need to decide how to divide the writing of the paper (along with deciding how to divide all of the other responsibilities involved in completing the project). Any student who would like to submit an individual paper (separate from the one completed by the group) will need to speak with me to make arrangements.

Students cannot plagiarize material from the papers of students who are outside of their group or plagiarize material from published sources. Please refer to the section on Academic Integrity for information about the consequences of plagiarism. In order to avoid plagiarism, you must cite the sources that your information comes from and also use quotations when you are directly quoting information from a source.

One student per group will need to submit the final report by midnight on the due date (by Canvas upload). Late reports will lose 10% of credit for each hour that they are late.

**Notes:**

1. It is preferred for students to work in groups rather than working individually. Each student who decides to complete an individual project will be responsible for completing all of the work for the project.
2. If a student ever feels that a member of his or her group isn't making the contributions that he or she agreed to make, and hasn't been able to resolve the issue, the student needs to contact me as soon as possible. If a student contacts me with concerns about a member of his or her group, I will request to have separate meetings

with the students on both sides of the issue and possibly with the group as a whole. During our meetings, we will attempt to find a way to resolve the issue.

3. Each student who is working in a group will need to submit a survey about the performance of his/her group at the end of the semester. Out of the 40 points that a student can earn for the project, 20 points will be based on the extent to which the student's group agrees that he or she made the contributions that he or she agreed to make. Any student who works in a group but does not submit the survey will automatically lose 20 points on the project.

4. If a group is unable to resolve an issue with a group member, I will recommend that the group separates to improve the experience of everyone and to help people avoid losing points on the group survey. Both sides of a separated group will have access to all materials created by the group before the separation.

5. If any student ever feels excluded by his or her group, or feels unfairly treated by his or her group, the student needs to contact me as soon as possible.

### **Rough draft of Introduction Section:**

Each group will need to write a rough draft of their introduction section and upload it to Canvas by Sunday October 24 at midnight.

I will provide instructions for how to complete this section of the paper.

At least one member of each group will need to upload the rough draft of the introduction section to Canvas in order for each member of the group to receive credit.

This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).

### **Rough draft of Method Section:**

Each group will need to write a rough draft of their method section and upload it to Canvas by Sunday November 7 at midnight.

I will provide instructions for how to complete this section of the paper.

At least one member of each group will need to upload the rough draft of the method section to Canvas in order for each member of the group to receive credit.

This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).

### **Laboratory Requirements:**

Each student will need to complete the following lab requirements (each requirement is worth 2 points)

1. Lab Assignment 1 (IRB application assignment)
2. Lab Assignment 2 (finding a possible research topic, finding 3 empirical peer-reviewed journal articles on that topic, and creating an APA reference list of those 3 articles)
3. Lab Assignment 3 (deciding on your group's final topic, deciding what research questions are the most interesting to your group, exploring possible ways to carry out your group's project, summarizing and critiquing 2 empirical peer-reviewed journal articles on your group's topic).
4. Lab Assignment 4 (rough draft of proposal)
5. Lab Assignment 5 (finding 5 sources for the group paper, forming hypotheses)
6. Lab Assignment 6 (creating materials for group project)
7. Lab Assignment 7 (practice data entry task)
8. Lab Assignment 8 (entering data, calculating results, writing results section)
9. Week 4 Meeting (Lab)
10. Week 5 Meeting (Lab)
11. Week 6 Meeting (Lab)
12. Week 7 Meeting (Lab)
13. Week 10 Meeting (Lab)
14. Week 11 Meeting (Lab)
15. Week 12 Meeting (Lab)
16. Week 13 Meeting (Lab)
17. Showing that your group has started collecting data

Note: *“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**

The final exam will be similar in format to the midterm. It will include multiple choice questions and short essay questions.

## **Grading Information**

### **Exams:**

The multiple choice questions on exams will be graded based on accuracy (i.e., the percentage of questions answered correctly). The short essay questions will be graded based on content rubrics.

### **Typed Lecture Assignments:**

The multiple choice questions on typed lecture assignments will be graded based on accuracy (i.e., the percentage of questions answered correctly). The short answer questions will be graded based on a rubric that will be provided along with each typed lecture assignment. Each short answer question will be worth the same amount of credit as two multiple choice questions.

### **Discussion Questions:**

Your answer to each discussion board question will be graded based on a rubric that is provided along with the question. These rubrics will provide information about required (or recommended) length and required content.

### **Activities:**

Each in-class activity will be graded based on its own rubric.

### **Project Rough Drafts:**

Each rough draft will be graded based on a rubric that will be provided.

### **Project Final Draft:**

The final draft of your research report will be graded based on a rubric that will be provided as well as the extent to which you fairly contributed to the project (if you are working in a group).

## **Laboratory Requirements:**

Each lab requirement will be graded based on its own criteria. Expectations regarding lab requirements will be provided during the semester.

## **Determination of Grades**

Your final grade will be based on the number of points that you earn during the semester. The following table provides a breakdown of the 300 points that you can earn during the semester.

Typed Lecture Assignments – 11 total (44 points)

Discussion Sets – 16 total (64 points)

Activities- 12 total (48 points)

Exam 1- 25 points

Final Exam- 25 points

Laboratory Requirements- 17 total (34 points)

Rough Draft of Introduction – 10 points

Rough Draft of Method – 10 points

Project – 40 points

## **Late Work:**

Students will earn extension credit each time they submit a certain type of assignment (typed lecture assignment or activity) even if the submission is late. Each submission will earn you an hour of extension credit that you can apply toward any past or future assignment (except for the final exam or group submissions).

## **Grading Scale:**

A- 90 – 100%    B – 80 – 89%    C – 70 – 79%    D – 60 – 69%    F – 59% and below

## **Classroom Protocol**

**Lecture Sessions:** Each lecture session will be a discussion day or an activity day.

If it is discussion day:

I will lecture during roughly the first 45 to 50 minutes of class.

Next, I will place each student in an individual breakout room to work on a set of discussion questions posted on Canvas. I will be able to come around and assist students during this time.

If a student finishes the discussion questions early, the student can request to be placed in a breakout room with a group of randomly assigned students to compare answers with students who are present in the room.

During the last 5 to 10 minutes of class, I will close the discussion board and explain the correct answers to the current day's set of discussion questions.

If it is an activity day:

I will begin class with an explanation of the activity.

I will then place each student in an individual breakout room or in a breakout room with a randomly assigned group of students (depending on the format / structure of the day's activity).

I will be available to come around and help students as they complete the current day's activity.

**Laboratory sessions:** Lab sessions will include a sequence of activities in which you work toward the completion of your group's research project.

Also, each research group will be required to meet with the instructor during certain weeks to discuss the project and to receive guidance and feedback.

**Attendance:** On each discussion day, attending lecture is important in order to obtain information from lecture and receive assistance with the discussion questions (if needed).

Participating in laboratory sessions is important in order to complete lab assignments, work on your project with your teammates, and meet with the instructor to receive feedback as you go along.

Failing to participate in a group lab meeting will result in a 0 score for that lab meeting. However, I will drop your lowest lab score from your grade.

**Arrival times:** Please arrive to lecture and lab on time whenever possible.

Missing more than 5 minutes of a group lab meeting (but attending some of the meeting) will result in a score of 1 out of 2 for the lab meeting. However, I will drop your lowest lab score from your grade.

**Behavior:** Please be respectful toward the other students in the class and me, both in general and during Zoom meetings. Please make sure that your microphone doesn't produce distracting background noise in Zoom.

### **University Policies**

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/> Make sure to review these university policies and resources.

## Psychology 120: Advanced Research Methods and Design, Section 20 (Lecture), Spring Semester 2022,

**Course Schedule:** This schedule is subject to change (in fact, this particular schedule is from fall 2021... consider it a 'example' of the types of activities and timelines that we'll follow.

Week	Topics	In-class Activity	Due Dates
1	Thurs 08/19	Thurs 08/19 Activity #1	Thurs 08/19 Activity #1 due at midnight
2	Tues 08/24 Introduction to Course  Thurs 08/26 Introduction to Course	Tues 08/24 Discussion Set 1  Thurs 08/26 Activity #2	Tues 08/24 Discussion Set 1 due at 3:30 PM  Thurs 08/26 Activity #2 due at midnight  Thurs 08/26 TL #1 due at midnight
3	Tues 08/31 Scientific Method Ch. 1  Thurs 09/02 Research Ethics Ch. 2	Tues 08/31 Discussion Set 2  Thurs 09/02 Discussion Set 3	Tues 08/31 Discussion Set 2 due at 3:30 PM  Thurs 09/02 Discussion Set 3 due at 3:30 PM  Thurs 09/02 TL #2 due at midnight
4	Tues 09/07 Qualitative Research Ch. 3  Thurs 09/09	Tues 09/07 Discussion Set 4  Thurs 09/09 Discussion Set 5	Tues 09/07 Discussion Set 4 due at 3:30 PM  Thurs 09/09 Discussion Set 5 due at 3:30 PM

	Survey Research <b>Ch. 4</b>		Thurs 09/09 TL #3 due at midnight
5	Tues 09/14 Survey Research <b>Ch. 4</b>  Thurs 09/16 Survey Research <b>Ch. 4</b>	Tues 09/14 Activity #3  Thurs 09/16 Discussion Set 6	Tues 09/14 Activity #3 due at midnight  Thurs 09/16 Discussion Set 6 due at 3:30 PM  Thurs 09/16 TL #4 due at midnight
6	Tues 09/21 Correlational Research <b>Ch. 5</b>  Thurs 09/23 Correlational Research <b>Ch. 5</b>	Tues 09/21 Discussion Set 7  Thurs 09/23 Activity #4	Tues 09/21 Discussion Set 7 due at 3:30 PM  Thurs 09/23 Activity 4 due at midnight  Thurs 09/23 TL #5 due at midnight
7	Tues 09/28 Correlational Research <b>Ch. 5</b>  Thurs 09/30 None	Tues 09/28 Activity #5  Thurs 09/30 Exam 1	Tues 09/28 Activity #5 due at midnight  Thurs 09/30 Exam 1 due at midnight
8	Tues 10/05 Quasi-Experimental Research <b>Ch. 6</b>  Thurs 10/07 Basics of Experimentation	Tues 10/05 Discussion Set 8  Thurs 10/07 Discussion Set 9	Tues 10/05 Discussion Set 8 due at 3:30 PM  Thurs 10/07 Discussion Set 9 due at 3:30 PM

	<b>Ch. 7</b>		Thurs 10/07 TL #6 due at midnight
9	Tues 10/12 Controlling Extraneous Variables <b>Ch. 8</b>  Thurs 10/14 Controlling Extraneous Variables <b>Ch. 8</b>	Tues 10/12 Discussion Set 10  Thurs 10/14 Activity #6	Tues 10/12 Discussion Set 10 due at 3:30 PM  Thurs 10/14 Activity #6 due at midnight  Thurs 10/14 TL #7 due at midnight
10	Tues 10/19 Between Subjects Designs <b>Ch. 9</b>  Thurs 10/21 Between Subjects Designs <b>Ch. 9</b>	Tues 10/19 Discussion Set 11  Thurs 10/21 Activity #7	Tues 10/19 Discussion Set 11 due at 3:30 PM  Thurs 10/21 Activity #7 due at midnight  Thurs 10/21 TL #8 due at midnight
11	Tues 10/26 Between Subjects Designs <b>Ch. 9</b>  Thurs 10/28 Within Subjects Designs <b>Ch. 11</b>	Tues 10/26 Activity #8  Thurs 10/28 Discussion Set 12	<b>Sun 10/24</b> <b>Rough Draft of Introduction</b> <b>is due at midnight on Canvas</b>  Tues 10/26 Activity #8 due at midnight  Thurs 10/28 Discussion Set 12 due at 3:30 PM  Thurs 10/28 TL #9 due at midnight

12	<p>Tues 11/02 Within Subjects Designs <b>Ch. 11</b></p> <p>Thurs 11/04 Within Subjects Designs <b>Ch. 11</b></p>	<p>Tues 11/02 Activity #9</p> <p>Thurs 11/04 Activity #10</p>	<p>Tues 11/02 Activity #9 due at midnight</p> <p>Thurs 11/04 Activity #10 due at midnight</p> <p>Thurs 11/04 TL #10 due at midnight</p>
13	<p>Tues 11/09 Factorial Designs <b>Ch. 10</b></p> <p>Thurs 11/11 Veteran's Day (campus closed)</p>	<p>Tues 11/09 Discussion Set 13</p> <p>Tues 11/11 None</p>	<p><b>Sun 11/07 Rough draft of Method section due at midnight on Canvas</b></p> <p>Tues 11/09 Discussion Set 13 due at 3:30 PM</p> <p>Thurs 11/11 TL #11 due at midnight</p>
14	<p>Tues 11/16 Factorial Designs <b>Ch. 10</b></p> <p>Thurs 11/18 Factorial Designs <b>Ch. 10</b></p>	<p>Tues 11/16 Activity #11</p> <p>Thurs 11/18 Discussion Set 14</p>	<p>Tues 11/16 Activity 11 due at midnight</p> <p>Thurs 11/18 Discussion Set 14 due at 3:30 PM</p>
15	<p>Tues 11/23 Factorial Designs <b>Ch. 10</b></p> <p>Thurs 11/25 Thanksgiving Campus Closed</p>	<p>Tues 11/23 Discussion Set 15</p> <p>Thurs 11/25 None</p>	<p>Tues 11/23 Discussion Set 15 due at 3:30 PM</p> <p>Thurs 11/25 None</p>
16	<p>Tues 11/30 Statistics <b>Ch. 13-14</b></p>	<p>Tues 11/30 Activity 12</p>	<p>Tues 11/30 Activity 12 due at midnight</p>

	Thurs 12/02 Drawing Conclusions <b>Ch. 15</b>	Thurs 12/02 Discussion Set 16	Thurs 12/02 Discussion Set 16 due at 3:30 PM
	Fri 12/10		<b>Fri 12/10</b> <b>Exam 2 is due at 2:30 PM</b> <b>Final Paper is due at midnight</b>

# Psychology 120: Advanced Research Methods and Design, Section 21 (Tuesday Lab), Fall Semester 2021, Course Schedule

**Lab Schedule: This schedule is subject to change with fair notice.**

Week	Lab Requirements	Due Dates
1	Tues 08/17 No lab	None
2	<p>Tues 08/24</p> <p>During this lab, you will complete lab assignment #1 and lab assignment #2.</p> <p>Lab assignment #1 is an individual assignment that will ask you to make up a possible study that you could carry out and then write an IRB application for that study. This is just an exercise. You won't actually be submitting this application to the IRB.</p> <p>Lab Assignment #2 is an individual assignment that will ask you to think of a possible topic for your project, find 3 empirical peer-reviewed journal articles on your topic, and then create an APA reference list of those 3 articles. The topic that you use for this assignment doesn't have to be your final topic. This assignment is just an exercise to help you think about what topic you might want to pursue and to give you experience with searching for articles on PsychInfo and writing an APA reference list.</p> <p>Lab Assignments 1 and 2 are both individual assignments. You can ask each other or the instructor for help. However, each student will need to complete and submit his or her own assignment.</p>	<p>Tues 08/24</p> <p>Upload Lab Assignments 1 and 2 to Canvas by midnight</p> <p>Each student will need to upload his or her own assignment.</p> <p>These assignments will lose 10% of credit for each hour that they are late (until they are worth 50% credit).</p>

<p>3</p>	<p>Tues 08/31</p> <p>During this lab, I will ask you to share possible research ideas with the class (if you have any yet). I will then ask you to get into groups, decide on your group's final research topic, get the topic approved by instructor, and complete Lab Assignment #3.</p> <p>Lab Assignment #3 is a group assignment that will ask you to state your group's final topic, to state the names of your team members, to describe what questions about the topic your group is most interested in answering, and to describe some possible ways that your group could do a study to answer one or more of those questions. It will also ask your group to summarize two empirical peer-reviewed journal articles on your group's topic and to describe at least one strength and at least one weakness of each article.</p>	<p>Tues 08/31</p> <p>Upload Lab Assignment #3 to Canvas by midnight.</p> <p>At least one person in each group will need to upload Lab Assignment #3 to Canvas by midnight.</p> <p>This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).</p>
<p>4</p>	<p>Tues 09/07</p> <p>During this lab, I check in with each group of students.</p> <p>Also, each group will work on Lab Assignment # 4, which is a rough draft of a proposal for your group's project. This assignment will ask you to plan out the details of your group's project, including how you will divide the work between your team members.</p>	<p>Tues 09/07</p> <p>Each group will need to meet with me during lab to receive credit for the Week 4 meeting.</p> <p>At least one person in each group will need to upload Lab Assignment #4 to Canvas by midnight.</p> <p>This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).</p>

5	<p>Tues 09/14</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will complete Lab Assignment #5, which will ask you to find 5 sources for your group's paper, form hypotheses for your group's study, and explain what information from the sources led your group to those hypotheses.</p>	<p>Mon 09/14</p> <p>Each group will need to meet with me during lab to receive credit for the Week 5 meeting.</p> <p>At least one person from each group will need to upload Lab Assignment #5 to Canvas by midnight.</p> <p>This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).</p>
6	<p>Tues 09/21</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will work on Lab Assignment #6, which will ask your group to provide a rough draft of your group's study materials (e.g., questionnaires, tasks, slideshows).</p>	<p>Tues 09/21</p> <p>Each group will need to meet with me during lab to receive credit for the Week 6 Meeting.</p>

7	<p>Tues 09/28</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will work on Lab Assignment #6, which will ask your group to provide a rough draft of your group's study materials (e.g., questionnaires, tasks, slideshows).</p>	<p>Mon 09/28</p> <p>Each group will need to meet with me during lab to receive credit for the Week 7 Meeting.</p> <p>At least one person from each group will need to upload Lab Assignment #6 to Canvas by midnight.</p> <p>This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).</p>
8	<p>Tues 10/05</p> <p>During this lab, I will explain the details of the rough draft of the introduction section. Also, students will have time to work together on the rough draft of the introduction section.</p> <p>There is no required group meeting this week.</p>	None
9	<p>Tues 10/12</p> <p>During this lab, I will explain the details of the rough draft of the method section. Also, students will have time to work together on the rough draft of the method section.</p> <p>There is no required group meeting this week.</p>	None

10	<p>Tues 10/19</p> <p>During this lab, I will check in with each group of students.</p> <p>During our meeting, each group will need to show me that they have started to collect data.</p> <p>Also, each group will work on Lab Assignment #7, which will ask your group to perform a practice data entry task designed to prepare your group for entering the data you gathered for your study.</p>	<p>Tues 10/19</p> <p>Each group will need to meet with me during lab to receive credit for the Week 10 meeting.</p> <p>During our meeting, each group will need to show me that they have collected at least some data to receive credit for having started to collect data.</p>
11	<p>Tues 10/26</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will work on Lab Assignment #7, which will ask your group to perform a practice data entry task designed to prepare your group for entering the data you gathered for your study.</p>	<p>Tues 10/26</p> <p>Each group will need to meet with me during lab to receive credit for the Week 11 meeting.</p> <p>At least one person from each group will need to upload Lab Assignment #7 to Canvas by midnight.</p> <p>This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).</p>

12	<p>Tues 11/02</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will work on Lab Assignment #8, which will ask your group to enter your data, calculate your results, and write your results section.</p>	<p>Tues 11/02</p> <p>Each group will need to meet with me during lab to receive credit for the Week 12 meeting.</p>
13	<p>Tues 11/09</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will work on Lab Assignment #8, which will ask your group to enter your data, calculate your results, and write your results section.</p>	<p>Tues 11/09</p> <p>Each group will need to meet with me during lab to receive credit for the Week 13 meeting.</p> <p>At least one person from each group will need to upload Lab Assignment #8 to Canvas by midnight.</p>

		This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).
14	Tues 11/16  During this lab, you can work independently on your projects. I will be available to assist people as needed.	None
15	Tues 11/23 No Lab	None
16	Tues 11/30 During this lab, you can work independently on your projects. I will be available to assist people as needed.	None

**Psychology 120: Advanced Research Methods and Design, Section 22  
(Thursday Lab), SPRING Semester 2022,  
Course Schedule: note that this too is from last semester, think of it as an  
example of an expected timeline and content expectations.**

**Lab Schedule: This schedule is subject to change with fair notice.**

Week	Lab Requirements	Due Dates
1	<p>Thurs 08/19</p> <p>During this lab, you will complete lab assignment #1 and lab assignment #2.</p> <p>Lab assignment #1 is an individual assignment that will ask you to make up a possible study that you could carry out and then write an IRB application for that study. This is just an exercise. You won't actually be submitting this application to the IRB.</p> <p>Lab Assignment #2 is an individual assignment that will ask you to think of a possible topic for your project, find 3 empirical peer-reviewed journal articles on your topic, and then create an APA reference list of those 3 articles. The topic that you use for this assignment doesn't have to be your final topic. This assignment is just an exercise to help you think about what topic you might want to pursue and to give you experience with searching for articles on PsychInfo and writing an APA reference list.</p> <p>Lab Assignments 1 and 2 are both individual assignments. You can ask each other or the instructor for help. However, each student will need to complete and submit his or her own assignment.</p>	<p>Thurs 08/19</p> <p>Upload Lab Assignments 1 and 2 to Canvas by midnight</p> <p>Each student will need to upload his or her own assignment.</p> <p>These assignments will lose 10% of credit for each hour that they are late (until they are worth 50% credit).</p>

<p>2</p>	<p>Thurs 08/26</p> <p>During this lab, I will ask you to share possible research ideas with the class (if you have any yet). I will then ask you to get into groups, decide on your group's final research topic, get the topic approved by instructor, and complete Lab Assignment #3.</p> <p>Lab Assignment #3 is a group assignment that will ask you to state your group's final topic, to state the names of your team members, to describe what questions about the topic your group is most interested in answering, and to describe some possible ways that your group could do a study to answer one or more of those questions. It will also ask your group to summarize two empirical peer-reviewed journal articles on your group's topic and to describe at least one strength and at least one weakness of each article.</p>	<p>Thurs 08/26</p> <p>Upload Lab Assignment #3 to Canvas by midnight.</p> <p>At least one person in each group will need to upload Lab Assignment #3 to Canvas by midnight.</p> <p>This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).</p>
<p>3</p>	<p>Thurs 09/02</p> <p>During this lab, I check in with each group of students.</p> <p>Also, each group will work on Lab Assignment # 4, which is a rough draft of a proposal for your group's project. This assignment will ask you to plan out the details of your group's project, including how you will divide the work between your team members.</p>	<p>Thurs 09/02</p> <p>Each group will need to meet with me during lab to receive credit for the Week 3 meeting.</p> <p>At least one person in each group will need to upload Lab Assignment #4 to Canvas by midnight.</p> <p>This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).</p>

<p>4</p>	<p>Thurs 09/09</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will complete Lab Assignment #5, which will ask you to find 5 sources for your group's paper, form hypotheses for your group's study, and explain what information from the sources led your group to those hypotheses.</p>	<p>Thurs 09/09</p> <p>Each group will need to meet with me during lab to receive credit for the Week 4 meeting.</p> <p>At least one person from each group will need to upload Lab Assignment #5 to Canvas by midnight.</p> <p>This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).</p>
<p>5</p>	<p>Thurs 09/16</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will work on Lab Assignment #6, which will ask your group to provide a rough draft of your group's study materials (e.g., questionnaires, tasks, slideshows).</p>	<p>Thurs 09/16</p> <p>Each group will need to meet with me during lab to receive credit for the Week 5 Meeting.</p>

6	<p>Thurs 09/23</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will work on Lab Assignment #6, which will ask your group to provide a rough draft of your group's study materials (e.g., questionnaires, tasks, slideshows).</p>	<p>Thurs 09/23</p> <p>Each group will need to meet with me during lab to receive credit for the Week 6 Meeting.</p> <p>At least one person from each group will need to upload Lab Assignment #6 to Canvas by midnight.</p> <p>This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).</p>
7	<p>Thurs 09/30</p> <p>During this lab, I will explain the details of the rough draft of the introduction section. Also, students will have time to work together on the rough draft of the introduction section.</p> <p>There is no required group meeting this week.</p>	None
8	<p>Thurs 10/07</p> <p>During this lab, I will explain the details of the rough draft of the method section. Also, students will have time to work together on the rough draft of the method section.</p> <p>There is no required group meeting this week.</p>	None

9	<p>Thurs 10/14</p> <p>During this lab, I will check in with each group of students.</p> <p>During our meeting, each group will need to show me that they have started to collect data.</p> <p>Also, each group will work on Lab Assignment #7, which will ask your group to perform a practice data entry task designed to prepare your group for entering the data you gathered for your study.</p>	<p>Each group will need to meet with me during lab to receive credit for the Week 9 meeting.</p> <p>During our meeting, each group will need to show me that they have collected at least some data to receive credit for having started to collect data.</p>
10	<p>Thurs 10/21</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will work on Lab Assignment #7, which will ask your group to perform a practice data entry task designed to prepare your group for entering the data you gathered for your study.</p>	<p>Thurs 10/21</p> <p>Each group will need to meet with me during lab to receive credit for the Week 10 meeting.</p> <p>At least one person from each group will need to upload Lab Assignment #7 to Canvas by midnight.</p> <p>This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).</p>

11	<p>Thurs 10/28</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will work on Lab Assignment #8, which will ask your group to enter your data, calculate your results, and write your results section.</p>	<p>Thurs 10/28</p> <p>Each group will need to meet with me during lab to receive credit for the Week 11 meeting.</p>
12	<p>Thurs 11/04</p> <p>During this lab, I will check in with each group of students.</p> <p>Also, each group will work on Lab Assignment #8, which will ask your group to enter your data, calculate your results, and write your results section.</p>	<p>Thurs 11/04</p> <p>Each group will need to meet with me during lab to receive credit for the Week 12 meeting.</p> <p>At least one person from each group will need to upload Lab Assignment #8 to Canvas by midnight.</p>

		This assignment will lose 10% of credit for each hour that it is late (until it is worth 50% credit).
13	Thurs 11/11 No Lab	None
14	Thurs 11/18  During this lab, you can work independently on your projects. I will be available to assist people as needed.	None
15	Thurs 11/25 No Lab	None
16	Thurs 12/02  During this lab, you can work independently on your projects. I will be available to assist people as needed.	None