

Course Syllabus



Basic Course Information

	<p>Department of Psychology</p> <p>PSY 3091-1: Research Methods and Design II</p> <p>4 Units</p>
<p>Fall 2023</p> <p>M/W 1:25-2:35pm @ Ryan Learning Center 104</p> <p>Fri. 1:25-2:35pm @ LW (library) 220</p>	

Basic Professor Information

<p>Instructor: Rosemond T. Lorona, Ph.D.</p>
<p>Phone: 619.849. 3305</p>
<p>Email (preferred): rlorona@pointloma.edu (mailto:rlorona@pointloma.edu)</p> <p>I welcome your questions and would enjoy hearing from you throughout the semester. I will give prompt email replies as I am able during the work day, but there may be times when I am not available for a quick response, such as weekends and evenings.</p>
<p>Office Hours are times that students can ask the professor questions, get help on assignments, review past work, or seek advice. You can drop by my office without an appointment during these times in <u>Culbertson 214.</u></p> <p>Mon/Wed/Thurs/Fri 8:30-9:30am</p> <p>Additional office hours available by appointment. Use my calendar to book a time with me: https://calendar.google.com/calendar/u/0/selfsched?sstoken=UUZENFhVN29pR1BzfGRIZmF1bHR8ZTQ2NWNhMmVIYTkzYzU2NDQyZml1ZTcxN2JhZDAwNTE https://calendar.google.com/calendar/u/0/selfsched?sstoken=UUZENFhVN29pR1BzfGRIZmF1bHR8ZTQ2NWNhMmVIYTkzYzU2NDQyZml1ZTcxN2JhZDAwNTE</p>
<p>TA: Kat Ryan, kryan0020@pointloma.edu (mailto:kryan0020@pointloma.edu)</p> <p>TA office hours: Thursday 3:30-4:30pm, drop in using this Google Meet link (https://meet.google.com/aqn-nfdu-rwn) (no appointment necessary)</p>

PLNU Mission

To Teach ~ To Shape ~ To Send

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service is an expression of faith. Being of Wesleyan heritage, we strive to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

COURSE DESCRIPTION

Study of design and of research in psychology and the use of statistics. Practice in the integration of design and statistics is included. Students finish a significant research project. This course must be taken in the semester immediately following PSY 3090.

As you learned in the first half of this course sequence, the field of psychology is based on research and analysis of data. Now that you have a foundation in research and statistics, it is time to apply your knowledge. This course will build on the previous semester by focusing on conducting original research in psychology. Doing science well and communicating science to others are skills that are relevant for people in a variety of life and career trajectories. You will be responsible for the project from start to finish, including collecting data, analyzing and interpreting data, and communicating your research in written and verbal form. You will also focus on research ethics, APA style writing, and more advanced research designs and considerations. You will continue to practice statistical analyses in R, interpret statistical analyses, and write about statistics using APA style. Becoming a producer of psychological research will make you a better consumer of psychological research.

COURSE LEARNING OUTCOMES

1. Identify issues in statistics and research, such as bias, power, error, ethics, and validity, and identify possible solutions to these issues
2. Complete a psychological study or experiment that answers a research question of interest
3. Complete statistical analyses in R and correctly interpret and form conclusions based on the results of statistical analyses
4. Read and synthesize information from high quality peer-reviewed research
5. Communicate original research in written form using APA style.
6. Orally communicate your research and conclusions to others.

REQUIRED RESOURCES

• Required Textbooks

- *Research Methods in Psychology: Evaluating a World of Information* (4th Ed) by Beth Morling; ISBN: 978-0-393-53627-0; 978-0-393-53626-3
- *Learning Statistics with R*, version 0.6. by Danielle Navarro; Download for free at <https://learningstatisticswithr.com> (<https://learningstatisticswithr.com/>)
- Publication Manual of the American Psychological Association (7th Ed.); ISBN-13: 978-1433832161; ISBN-10: 143383216X

• **Folder/binder:** Any paper or plastic folder for paper handouts/worksheets. Worksheets will be frequently provided in class and should be kept for future reference. Additional copies of in-class worksheets will not be provided.

• Required Technology

- **Computer (recommended):** Learning Demonstrations (exams) and Assignments will be submitted through Canvas, so each student will need access to a computer. Students can also utilize computers in the library for assignments; paper versions of in-class exams will be provided upon request.
- **RStudio**, version 1.2.1335 or higher (free)- First, download R 3.6.1 or higher (base program) on your personal laptop for free at <https://www.r-project.org/> and then download RStudio for free at <https://www.rstudio.com/> (<https://www.rstudio.com/>)
- If you are having trouble with technology, please contact IT to discuss options

COURSE SCHEDULE AND ASSIGNMENTS

General Assignments (20%): You will have various weekly assignments that will progress you toward successful completion of your research project. Any assignments that keep you up-to-date with readings, lectures, your APA paper, or your project timeline (and that do not fall into another grading category below) will fall in this category. Detailed directions for each assignment are on Canvas. Assignments are individual work unless otherwise specified.

Learning Demonstrations (3 LDs; 35% total): LDs may consist of multiple choice, fill-in-the-blank, and/or short answer questions. You may be required to interpret and apply information based on assigned readings, lectures, and learning activities. Each learning demonstration will require cumulative knowledge; you will be tested on the current unit and previous units. LDs will be taken in class. On test day, each student can bring a laptop to take their LD using Canvas (laptop recommended; phone or tablet is NOT recommended) or may request a paper copy. The LD is not open-internet or open-book. However, you may bring one 3"x 5" index card with any notes on it to use. At the beginning of an LD, you can exchange a filled-in index card for extra credit. In other words, you can either have the extra credit OR use the index card for the LD. If you decide during the LD that you would like to use your index card, you can exchange it back.

Final Research Manuscript (30%): Your APA-style manuscript will thoroughly describe your empirical research study from start to finish. The paper will include an APA style title page, abstract, introduction, method, results, discussion, table/figure, and references. More instructions and a rubric are on Canvas. Utilizing the writing center/tutorial services and TA office hours for writing help is strongly recommended. The APA style paper should be individually completed and will be individually graded. While your content will be similar to your teammates', it should not be identical or plagiarized.

Research Group Presentation, Research Celebration, and Team Professionalism (15%): Your group will present its research project to the class at the end of the semester. You should be able to accurately, clearly, thoroughly, and interestingly present your research project and be able to answer questions about your project. You will be graded individually and as a group (Instructions and Rubric on Canvas). These presentations will be accompanied by a research poster which will be graded (Instructions and Rubric on Canvas). The final in-class presentation will be completed on Friday, December 8th. During finals week, each group will present to the PSY 3090 students and faculty during finals week (i.e., the Research Celebration). For the Research Celebration, you will be graded on attendance and professional engagement. The Research Celebration will take place on Dec. 13th @2-3:30pm and there will be no make-ups for students who are absent. As the "final exam" for this course, the Research Celebration cannot be dropped or missed for any reason. At the end

of the semester, you will also be graded by your research teammates for group work accountability. Teammates will grade you on attendance at group meetings, professional communication, attentiveness to details and needs of the group, and overall contribution to data collection and the research process.

GRADING

Student grades will be posted in the Canvas grade book. It is important to read the comments posted in the grade book as these comments are intended to help students improve their work. Final grades will be posted within one week of the end of the class. Grades will be weighted as listed above and determined based on the following:

A	=	93-100%
A-	=	90-92.9%
B+	=	87-89.9%
B	=	83-86.9%
B-	=	80-82.9%
C+	=	77-79.9%
C	=	73-76.9%
C-	=	70-72.9%
D+	=	67-69.9%
D	=	63-66.9%
D-	=	60-62.9%
F	=	59.9% or less

Course Policies and Expectations

General

- Any changes to the syllabus (including course expectations and assignments) are possible. Changes will be announced in class and/or as a Canvas announcement. Students are responsible for actively monitoring Canvas updates.
- Students are responsible for all content/material that is found within the Canvas course.
- Students should complete the assigned reading, lectures, or activities prior to class, especially for "Flipped Fridays". Such practices will enable you fully participate in class activities.

Attendance

- Regular and punctual attendance at all class sessions is considered essential to optimum academic achievement. Attendance will be taken during class. Students who are 15+ minutes late or who leave 15+ minutes early may be counted absent. If a student is absent for more than 10 percent of class sessions, the faculty member will issue a written warning of de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university withdrawal date or, after that date, receive an "F" grade. See Academic Policies in the Undergraduate Academic Catalog. If absences exceed these limits but are due to university excused health issues, an exception will be granted.
- Out of respect and care for one another, please do not attend class if you are feeling ill in any way. You **do not** need to obtain a doctor's note or email the professor. You will not miss points for being absent (just follow overall attendance policy above).
- **What if a student misses class for any reason?**
 - If you miss class, you are responsible for obtaining [from a classmate] lecture material, class exercises, and all in-class announcements AND submit any assignments on time, if applicable. Students may then see me during office hours to clarify any material as desired.
 - I do not send notes to students who are absent, Zoom students into class, nor record in-person lectures to post online. However, students may Facetime/Zoom their absent teammates into class during research group work if desired.
- **What if a student misses a learning demonstration (LD)?**
 - A make-up LD is available in cases of emergency or illness or if the student provides at least 2 weeks' notice of a non-emergency absence. The make-up LD must be taken within 2 weeks of the original test date and it is up to the student to contact the professor to schedule a time to take the LD in a proctored setting. Each student may not have more than one make-up LD per semester. There is no option to re-take a LD that was previously attempted.
- **What if a student misses the Research Celebration (final exam)?**
 - The final presentations cannot be dropped or made-up. During Finals week, you will present at the Research Celebration in lieu of a standard final exam. Successful completion of this course requires your attendance at the Research Celebration on Wednesday, Dec. 13th from 2-3:30pm. There is no make-up option for this; your attendance is important for the success of your research team!
 - Because of the extensive group work involved in this course, "Incompletes" will only be granted in extreme emergency situations.

Submitting Assignments and Late Work

- All due dates are posted in advance on Canvas. You may submit assignments early.
- Work submitted on Canvas must be in .doc, .docx, or .pdf file types only. The student is responsible for making sure Canvas files work and go through Turnitin. Files that do not open, are in the wrong file type, and/or can't go through Turnitin will be considered late until the problem is rectified.
- **What if a student needs to turn in an assignment late? What if the file didn't upload correctly on Canvas and now it's late? What if I need more time to ask questions and turn in my best work?**
 - Late work is accepted for 10 days, including weekend days, after the original due date. Canvas will automatically deduct 10% from the grade for each late day. For example, an assignment submitted 3 days late can earn up to 70% of the available points. End-of-semester assignments may not be submitted late after the last day of regular class (to accommodate faculty grading deadlines). In other words, no coursework will be accepted after Friday, December 8th, 2023. Work submitted late may also be graded later.
 - **Freebie** – students can exchange one no-questions-asked freebie to turn in one late assignment up to 10 days after initial deadline *at no deduction*. The freebie does **not** apply to group assignments (such as the IRB proposal or poster/presentation) or learning demonstrations. The freebie does not allow students to submit end-of-semester assignments after the last day of regular class. No coursework, including freebie work, will be accepted after Friday, December 8th, 2023.
 - To use your freebie, submit your late work on Canvas and include a Canvas submission comment saying that you are using the freebie (do not email the professor). The freebie must be used at the time of time of submitting the work, not retroactively.

COURSE CREDIT HOUR INFORMATION

In the interest of providing sufficient time to accomplish the stated Course Learning Outcomes, this class meets the PLNU credit hour policy for a 4 unit class delivered over 15 weeks. It is anticipated that students will spend a minimum of 37.5 participation hours per credit hour on their coursework. For this course, students will spend an estimated 150 total hours meeting the course learning outcomes. Dedicating adequate time to your learning will help you succeed and is especially important if you want an A in the course because deep learning takes time! Specific details about how the class meets the credit hour requirement can be provided upon request.

PLNU COPYRIGHT POLICY

Point Loma Nazarene University, as a non-profit educational institution, is entitled by law to use materials protected by the US Copyright Act for classroom education. Any use of those materials outside the class may violate the law.

STATE AUTHORIZATION

State authorization is a formal determination by a state that Point Loma Nazarene University is approved to conduct activities regulated by that state. In certain states outside California, Point Loma Nazarene University is not authorized to enroll online (distance education) students. If a student moves to another state after admission to the program and/or enrollment in an online course, continuation within the program and/or course will depend on whether Point Loma Nazarene University is authorized to offer distance education courses in that state. It is the student's responsibility to notify the institution of any change in his or her physical location. Refer to the map on [State Authorization \(https://www.pointloma.edu/offices/office-educational-effectiveness/disclosures\)](https://www.pointloma.edu/offices/office-educational-effectiveness/disclosures) to view which states allow online (distance education) outside of California.

PLNU ACADEMIC HONESTY POLICY

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. Academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort. A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for that assignment or examination, or, depending on the seriousness of the offense, for the course. Faculty should follow and students may appeal using the procedure in the university Catalog. See Academic Policies (<https://catalog.pointloma.edu/index.php>) for definitions of kinds of academic dishonesty and for further information.

Use of Artificial Intelligence (AI) tools (e.g. ChatGPT, iA Writer, Marmot, Botowski) is not permitted, and use of these tools will be treated as plagiarism.

PLNU ACADEMIC ACCOMMODATIONS POLICY

PLNU is committed to providing equal opportunity for participation in all its programs, services, and activities. Students with disabilities may request course-related accommodations by contacting the Educational Access Center (EAC), located in the Bond Academic Center (EAC@pointloma.edu or 619-849-2486). Once a student's eligibility for an accommodation has been determined, the EAC will issue an academic accommodation plan ("AP") to all faculty who teach courses in which the student is enrolled each semester. PLNU highly recommends that students speak with their professors during the first two weeks of each semester/term about the implementation of their AP in that particular course and/or if they do not wish to utilize some or all of the elements of their AP in that course. Students who need accommodations for a disability should contact the EAC as early as possible (i.e., ideally before the beginning of the semester) to assure appropriate accommodations can be provided. It is the student's responsibility to make the first contact with the EAC.

SPIRITUAL CARE

Please be aware PLNU strives to be a place where you grow as whole persons. To this end, we provide resources for our students to encounter God and grow in their Christian faith. If students have questions, a desire to meet with the chaplain or have prayer requests you can contact the [Office of Spiritual Development \(https://www.pointloma.edu/offices/spiritual-development\)](https://www.pointloma.edu/offices/spiritual-development).

USE OF TECHNOLOGY

In order to be successful in the online environment, you'll need to meet the minimum technology and system requirements; please refer to the [Technology and System Requirements \(https://help.pointloma.edu/TDClient/1808/Portal/KB/ArticleDet?ID=108349\)](https://help.pointloma.edu/TDClient/1808/Portal/KB/ArticleDet?ID=108349) information. Additionally, students are required to have headphone speakers compatible with their computer available to use. If a student is in need of technological resources please contact [student-tech-request@pointloma.edu \(mailto:student-tech-request@pointloma.edu\)](mailto:student-tech-request@pointloma.edu). Problems with technology do not relieve you of the responsibility of turning in assignments or completing your class work.

TITLE IX OFFICE

If you or someone you know would like help related to an experience of sexual violence including sexual assault, harassment, domestic violence, dating violence, stalking, or other type of non-consensual sexual conduct, please contact the Title IX Coordinator at PLNU, Danielle Brown Friberg (619-849-2313). Reporting is also available on the Title IX website. The Title IX office understands the sensitive nature of these situations and can provide information about available on- and off-campus resources. Staff members at the office will also explain your rights and the judicial process options, if you choose to file a complaint. If you or someone you know feels unsafe or may be in imminent danger, please call the PLNU Department of Public Safety (619-849-2525) or local police department (9-1-1) immediately.

STUDENT SUCCESS & WELLNESS

If you or someone you know would like assistance related to a physical or mental health problem, (e.g., depression, anxiety, difficulty focusing on school or managing daily needs, grief, trauma resolution, sleep or eating changes, etc.), and/or would like academic assistance, please contact the appropriate office using the following information.

- Counseling Services (619) 849-3020; counselingservices@pointloma.edu (<mailto:counselingservices@pointloma.edu>)
- Educational Access Center 619-849-2533; eac@pointloma.edu (<mailto:eac@pointloma.edu>)
- Medical Services 619-849-2280; sdwellnesscenter@pointloma.edu (<mailto:sdwellnesscenter@pointloma.edu>)
- Tutorial Services 619-849-2953; tutorialservices@pointloma.edu (<mailto:tutorialservices@pointloma.edu>)

ASSIGNMENTS AT-A-GLANCE

Please see the weekly [Modules](#) for assignments due each week. Assignments and due dates will always be posted and available in advance.

Course Schedule

Week	Content & Textbook Readings (read prior to class)	Project/Paper Milestones
Week 1: August 28 - September 1	Research Ethics ; Ch. 4 (RMP)	
Week 2: September 2 - 8 No Monday Class	Formalizing the Research Plan ; Ch. 5 (RMP)	
Week 3: September 9 - 15	Survey Designs ; Ch. 6 (RMP)	
Week 4: September 16 - 22	Sampling ; Ch. 7 (RMP)	IRB proposal complete
Week 5: September 23 - 29	Midterm LD1 APA Style ; APA reading (RMP); APA Manual	Method is written
Week 6: September 30 - October 6	Correlational Designs ; Ch. 8 (RMP)	Data Collection
Week 7: October 7 - 13	Multivariate Research Designs ; Ch. 9 (RMP)	Data Collection
Week 8: October 14 - 20 No Friday Class (Fall Break)	Experiments ; Ch. 10 (RMP)	Introduction is written Data Collection
Week 9: October 21 - 27	Factorial Designs ; Ch. 12 (RMP) Midterm LD2	Data Collection Complete
Week 10: October 28 - November 3	Statistics Review ; Inferential Statistics (RMP)	Data Cleaning
Week 11: November 4 - 10	More on Experiments ; Ch. 11 (RMP)	

Week 12: November 11 - 17	<u>Replication and Generalizability</u> ; Ch. 14 (RMP)	<u>Results</u> is written
Week 13: November 18 - 24 No Wednesday/Friday Class (Thanksgiving)	<u>Final LD</u>	
Week 14: November 4 - December 1	<u>The Bigger Picture</u>	<u>Discussion</u> and Abstract is written
Week 15: December 2 - 8	<u>Wrapping Up, Presentations</u>	<u>Final Paper Due: Monday December 4</u> <u>Poster</u> and In-Class <u>Presentations Dec. 8th</u>
<u>Research Celebration: Wednesday Dec. 13th @ 2pm</u>		Project is complete

