

PSYCHOLOGY 219

INTRODUCTION TO RESEARCH METHODS

Satisfies AA degree/transfer requirements in Plans A, B, & C

INSTRUCTOR INFORMATION

Name: Ricardo Castillo M.A. Office Location: D-427 Phone: (714) 564-6555 Email: castillo_ricardo@sac.edu	Fall 2017 Class: Psychology 219 (3 Units) Section: _____	<u>Student Drop-In Hours</u> Mon 4:30-6:00pm, Tues 3:30-6:30 pm Wed 5:00pm-6:00pm
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Students have several ways of contacting the instructor. However, the instructor will not return emails or phone calls on Friday, Saturday, or Sunday. When you contact the instructor via email include the appropriate Subject header and include class and name.

COURSE DESCRIPTION

Emphasizes methods of study in psychology, experimental designs, analysis of variables contributing to experimental results, and data treatment measurement.

COURSE MATERIALS

- Textbook: **McBride, D (2016). The Process of Research in Psychology (3rd Ed.) Sage.** Students must bring textbook materials to class in order to participate in classroom activities.
- Students who fail to bring their textbook or other required materials may lose class points.
- Highly **recommended** texts for the course are:
 - American Psychological Association (2010). *Publication manual of the American Psychological Association* (6th ed.). Washington, D.C.: Author.
- USB Flash Drive 1GB minimum
- Basic Scientific Calculator
- Advantage 100-AS forms (a new form that is free from defects)
- Supplemental materials on Canvas. Access to Canvas: <http://rscdd.instructure.com/>

WEB ENHANCED COURSE

Many documents, activities, and assignments will require access to the internet. In many cases, class documents and supplemental materials can only be accessed through the internet and **WILL NOT** be given out in class. Students must plan to use the internet and the online course management system CANVAS. There may some assignments administered over Canvas. If you have technical problems with Canvas contact the instructor or the Distance Education office in A-101 or at (714) 564-6725.

CLASS ATTENDANCE

Students are expected to have completed the assigned reading for each class meeting and be prepared to discuss the reading material. The in-class activities are also considered class participation. If a student misses more than **10% of class time (4.8 hrs) the instructor may drop the student** without notification.

Arriving late to class will count as absences unless the student informs the instructor after class. It remains the student's responsibility to withdraw from the class if that is his or her intention. Failure to withdraw from the class will result in a final grade calculated on the basis of total points earned. The last day to withdraw from this course with a "W" is listed in the class schedule:_____.

Exams

There are two exams total for the semester. **EXAMS ARE CUMULATIVE**. Each exam consists of multiple choice, true-false, short-answer, and essay questions relating to the textbook and lecture material.

Students will need to purchase the *Advantage 100-AS* forms and a number two pencil to complete the exams. These forms must be presented in a new condition free from defects such as tears, folds, or stains.

Exams cannot be taken early. Students that miss an exam due to a verified (i.e. provide appropriate documentation) illness or emergency may have an opportunity to a make-up a test **WITH a penalty**. If a student misses an exam they will have one week to make-up the exam and if the exam is not taken within this time period they lose this opportunity and will receive zero credit. There are no make-up exams after the last day of the class. There are no early or late exams given for any other excuse.

Exam dates are **TENTATIVE** (i.e. not final) and may change throughout the course of the semester given time constraints, overall class progress, and class projects. The instructor will give the most precise dates as possible, but Exam date may change. It is not the instructor's responsibility if a student cannot attend class to take an exam due to a change in the Exam schedule.

Experimental reports

There will be three (3) research reports assigned throughout the semester. The first two experimental reports will be structured and designed by the instructor. The third experiment must be designed and completed by the student. These experimental reports may involve library research and will require critical analysis and/or application of a specific topic selected by the instructor. All topics must be approved by the instructor prior to initiating the project. Writing assignments must follow APA (American Psychological Association) format as defined by the instructor. **In addition, draft papers and/or revision papers will not be accepted late and are considered in-class activities. The student will lose any points associated with that assignment if they miss class the day it is assigned or due.**

There are three criteria that must be followed for academic writing:

- 1) All writing must be paraphrased and definitely do not borrow quotes or copy from the internet and must include in-text citations (correct paraphrasing involves adhering to the instructor's 3-word rule).
- 2) All writing must be in third-person.
- 3) Papers must be in APA format as defined by the instructor.

Papers that do not conform to these standards will be given back with no credit and may incur late penalties. Late papers are marked off ten percentage points each day it is late beginning at the START of class on the due date. Experimental reports may be completed in groups, as approved by the instructor, however **ALL WRITING MUST BE WRITTEN SOLELY BY THE INDIVIDUAL STUDENT** (no sharing of writing among students, this constitutes plagiarism). In addition, rough drafts and revision assignments will not be accepted late and the student will lose any points associated with that assignment.

IN-CLASS PARTICIPATION

Activities assigned in class consist of individual and group work. These activities may be used for class discussions. Each activity will be assigned in class and will engage the student to interact with course content. Each activity must be turned in on a piece of paper at the end of class on the day it is assigned to receive credit. These activities are also used as class attendance, so for every class a student must, at a minimum, turn a sheet of paper with their name on it to be marked for attendance, unless otherwise specified by the instructor. To receive credit for these activities you must attend and participate the day the activity is assigned. NO EARLY OR LATE IN-CLASS ACTIVITIES-no exceptions. Students who "forget" to turn in these assignments will lose points.

PEER-REVIEW

Certain in-class work and homework may be peer-reviewed. It is important to provide honest and sincere feedback in the form of constructive criticism. To ensure participation from each student do not write down anything that you are not willing to share with the class (e.g. traumatic memories or events etc). These activities are graded as credit/no credit. For example, so long as students show their work their

individual contribution credit is awarded. A typical assignment may be to evaluate whether a peer classmate has correctly paraphrased a quotation or whether they have one inch margins on a writing assignment.

Tentative Grade Point Distribution			
Midterm 150pts ____	RA 1 15pts ____	Exp Report 1 85pts ____	Lab 1 ____/____
Final 150pts ____	RA 2 15pts ____	Exp Report 2 125pts ____	Lab 2 ____/____
	RA 3 15pts ____	Exp Report 3 150pts ____	Lab 3 ____/____
	RA 4 15pts ____		Lab 4 ____/____
	RA 5 15pts ____		Lab 5 ____/____
	RA 6 15pts ____		Lab 6 ____/____
			Lab 7 ____/____
			Lab 8 ____/____
Grade Equivalent	Chapter Quizzes 1-15 20pts each.		Lab 9 ____/____
A = 90% - 100%			Lab 10 ____/____
B = 80% - 89.9%			Lab 11 ____/____
C = 70% - 79.9%			Lab 12 ____/____
D = 60% - 69.9%			Lab 13 ____/____
F = 0% - 59.9%			Lab 14 ____/____
			Lab 15 ____/____
			Lab 16 ____/____
Grand Total* ____/____ pts			(5pts-35pts)
*Note: the grand total points may fluctuate during the semester and only represents an initial estimate of the total course points. The instructor reserves the right to adjust the points system.			total pts ____

Chapter Schedule

	Ch. 1 Psychological Research
	Ch. 2 Hypothesis Development
	Ch. 3 Ethical Guidelines
	Ch. 4 How Psychologists Use the Scientific Method
	Ch. 5 Variables and Measurements in Research
Midterm	Ch. 6 Sampling
	Ch. 7 Summarizing and Interpreting Data
	Ch. 8 Reporting Research
	Ch. 9 Survey Research
	Ch. 10 Correlational Studies
	Ch. 11 One-Factor Experiments
Final	Ch. 13 Quasi-Experiments

Late Policy

Assignments are due at the beginning of class on the due date. All assignments will be considered for full credit only if they are turned in at the beginning of class. Assignments turned in after class time on due date will be subject to a late penalty consisting of a reduction of 10% of the total points possible plus a 10% reduction for each calendar day it is late. Also keep in mind that because your assignments will be graded for content and format, all of your work must be submitted in hard-copy form; **e-mailed assignments will not be accepted.** In addition, drafts papers and revision assignments will not be

accepted late and the student will lose any points associated with that assignment.

Please establish responsible work habits in order to avoid substantial point deductions. Take into consideration the use of technology (e.g. internet, printers, computers) when completing class work. In other words, anticipate technological delays and complete class work ahead of time. Procrastination is not an excuse and for this class is defined as attempting to complete work within 24 hours prior to the due date.

All late assignments must be turned in hardcopy form in class or in the instructor's mailbox (in the Admissions & Records building with time stamp) or directly to the instructor.

EXTRA CREDIT: There may be several extra credit opportunities throughout this course.

ELECTRONIC DEVICES

As a courtesy, please make sure all portable electronic devices do not interrupt classroom environment. Please do not use these devices while in class, especially during exams. Please see me if you wish to take electronic notes (i.e. use a laptop). Using a laptop for any activity not related to course is not allowed.

ORAL Participation

There may be several homework activities or in-class collaborative learning activities where the instructor may ask students discuss related materials and be able to share that information with classmates. Students must be prepared to presentation that information to other students as well as the class as a whole if needed.

Course objectives

Research Methods in Psychology (Lecture)

1. To demonstrate familiarity with major research method concepts, research designs, data analysis, and interpretation
2. To demonstrate familiarity with writing formal scientific reports in American Psychological Association (APA) format
3. To understand and apply research method principles and APA writing style in completing an independent research project

Laboratory Experiences

At the conclusion of this course, the student should be able to:

1. Conduct scientific research in psychology.
2. Conduct analyses of the data collected in this research using statistical software.
3. Interpret the results of these analyses.
4. Communicate these research findings using APA style.

Tentative Schedule

<u>Week</u>	<u>Date</u>	<u>Lecture</u>	<u>Lab</u>	<u>Due</u>
1		Orientation-Syllabus Orientation- BB/ Research Strategies	APA Style Activity & Format APA Introduction/Practice Experiment (Cell Phone)	
2		Philosophy of Science/Falsification Survey of Research Methods	Scales of Measurement/Chi-Square (practice Results) Self-Determination Theory/Exp 1: Intro (1 st Draft)	[RA #1]
3		Research Terminology Setting up the Null Hyp/Stats Review	Exp 1 Intro-Lit Review (cont)/Correlation AMS Survey/Hypotheses	
4		Experimental Ideas and Observations Research Methods Matching Act	AMS Survey/Hypotheses (cont)/ Data Collection	[RA #2]
5		Activities EXAM I (Chapters 1, 2, 3,& 4)	Exp 1: Peer Review Results / Discussion lect Exp 1: Peer Review Results / Discussion lect	
6		Exp 1 Draft Day (no lect) Exp 1 Due Peer Review	Experiment 1 Draft Day (no lab) Exp III Brainstorm/ Exp II Start	[RA#3]
7		Ethical Science Literature Sources		
8		Experimental Design Activity Experimental Design Activity	Sampling	
9		Sampling/Interpreting Data Independent & Dependent Variables	Intro to the Original Experiment Intro to the Original Experiment	[RA #4]
10		Experimental Report II Due TBA	Experiment III Design and Lit. Review Experiment III Design and Lit. Review	
11		MIDTERM (Chapters 5,6,7, & 8) Single-Variable, Multiple-Variable Designs	Converging Series Designs Experiment III Intro	
12		Between-Subjects, Within-Subject Designs Non-experimental Designs	Experiment III Intro/Methods	
13		Quasi-experimental Designs Experiment III	Exp III Data Collection/Data Analysis Exp III Data Collection/Data Analysis	[RA #5]
15		Beginning the Research Process EXAM III (Chapters 9,10,11, & 12)	Exp III Data Collection/Data Analysis Exp III Draft review	
		Lecture Experiment III Final Report Check	Exp III Draft review Lab Option	
16		Experiment III Final Report Due FINAL	No Lab No Lab	[RA #6]

All dates are **TENTATIVE** (i.e. not final) and may change throughout the course of the semester given time constraints, overall class progress, and class projects. The instructor will give the most precise dates as soon as possible, but dates MAY change. It is not the instructor's responsibility if a student cannot attend class to turn in an assignment or take an exam due to a change in the schedule.

Academic accommodations

Your success in this course is important to me. Santa Ana College and I are committed to providing reasonable accommodations for all individuals with disabilities. If you have a disability that may have some impact on your ability to do well in this course, I encourage you to speak with me as soon as possible. Also, please contact Disabled Student Programs & Services so that we can all collaborate on your classroom accommodations in a timely manner. DSP&S is located in The Village VL-203, and their phone number is 714-564-6264. The DSP&S office requires documentation of your disability in order to receive reasonable accommodations. If you do not have documentation, they will work with you to acquire it. I look forward to supporting you to meet your learning goals.

College Mission Statement

The mission of Santa Ana College is to be a leader and partner in meeting the intellectual, cultural, technological, and workforce development needs of our diverse community. Santa Ana College provides access and equity in dynamic learning environment that prepares students for transfer, careers and lifelong intellectual pursuits in a global community

Psychology Department Mission Statement

The Psychology Department offers a variety of courses and enrichment opportunities designed to prepare students for transfer to, and be competitive at, four-year colleges and universities, provide further awareness and training in the many professions of psychology and increase students' understanding of themselves and their socially diverse world.

ACADEMIC HONESTY

Anyone caught cheating or using someone else's work as his or her own (i.e. plagiarism) will receive zero points on the assignment in question and will have his or her name turned in to the Division Dean and Dean of Student Activities for further disciplinary action. The following information is the student's first formal advisement of plagiarism:

PLAGIARISM

Plagiarism is the act of presenting the words, work, or opinions of someone else as if they were the original work of the submitter. These may be the product of another student or a professional writer or be from any source whether the author is known or unknown, i.e., encyclopedia, magazine, textbook, or models used by instructors.

Plagiarism is a form of cheating and is also a breach of copyright laws in the case of published works.

As the purpose of taking college classes is to learn what one does not know, it is only logical and ethical to refrain from “taking the easy way out” by using someone else’s work as a substitute for one’s own.

Students should be conscientious in acknowledging their debt to whatever source in a footnote, parenthesis, or other appropriate documentation whether in a paper, oral presentation, or exam.

Unintentional plagiarism sometimes occurs when students attempt to paraphrase without adequately restating the passage in “other words” using their own style not that of the original. Psychology instructors have illustrations of acceptable paraphrasing for your review and instruction is given at all levels of composition on appropriate paraphrasing and source citing. Faculty will work with students to eliminate problems associated with unintentional plagiarism. The department’s major concern is with intentional plagiarism when a student has obviously submitted work not his/her own.

Therefore, in accordance with the Board of Trustees policy on student conduct, the Psychology Department will respond to deliberate plagiarism in the following manner:

- **WARNING**: Distribution of this statement of ethics to all students in Psychology classes constitutes official notification of department policy.
- **First Offense -- REPRIMAND**: Failing grade on the assignment in question. Written reprimand for violating district rules (Unethical Conduct Report). Copies of the report will be sent to the Humanities & Social Sciences Division Dean, Dean of Students, and the student.
- **Second Offense -- DISCIPLINARY ACTION**: Referral to Dean of Students for possible removal, suspension, or expulsion. Filing of a second Unethical Conduct Report.

OTHER UNETHICAL CONDUCT

Other unethical conduct – cheating on exams, stealing tests, removing unauthorized material from classrooms/labs, or otherwise disregarding established classroom procedures – will be referred to the Dean of Students and a written report filed with both the Humanities & Social Sciences Division and the office of the Dean of Students.

The Psychology Department’s goal is to provide quality instruction for students who are dedicated in improving their language skills. Unethical conduct is unacceptable. The Psychology Department faculty has agreed upon this statement and upon their willingness to enforce it.

Informed Consent

Santa Ana College Department of Psychology Informed Consent for Human Participants

PLEASE READ THIS DOCUMENT CAREFULLY. SIGN YOUR NAME BELOW ONLY IF YOU AGREE TO PARTICIPATE AND YOU FULLY UNDERSTAND YOUR RIGHTS. YOUR SIGNATURE IS REQUIRED FOR PARTICIPATION. YOU MUST BE 18 YEARS OF AGE TO GIVE YOUR CONSENT TO PARTICIPATE IN RESEARCH.

The policy of the Department of Psychology is that all research participation is voluntary and anonymous, and you have the right to withdraw at any time, without prejudice, should you object to the nature of the research. You are entitled to ask questions and to receive an explanation after your participation.

Description: There are several research projects throughout this course that will serve as tools in understanding how to conduct psychological research. The research projects will involve gathering demographic information (e.g. ethnicity, age, sex, gender, etc.), attitudes relating to many psychological topics (e.g. motivation, personality, emotions, etc.), performance-based measures (e.g. memory tasks, reaction times, knowledge and skills, etc.) and psychophysiological data (galvanic-skin response, brain wave activity, heart rate, etc).

Nature of Participation: Participating in these research projects occurs within the context of this research methods class. Your participation is voluntary and anonymous. All data collected will be given random number identifiers and **WILL NOT** be associated with student names or personal identifying information (e.g. student identification number). All students will have the opportunity to withdraw their data at any time.

Purpose of the Study: The main purpose of the research in this class is to teach students the methods of psychological research. The information gathered is an instructional tool used to assess and evaluate student's performance in the classroom, **NOT** relating to the grade. The investigator(s) interest is in the group performance and **NOT** any score or measurement from a specific individual. There may be opportunities for students to use the data for academic research that may be presented at professional conferences (e.g. Western Psychological Association) . In addition, other opportunities may include submitting this work to academic journals for publication. All these activities will be supervised by the primary investigator, in this case the instructor[s].

Possible Risks: All the physiological equipment has met safety standards and will not physically harm any person. Other instruments used, such as questionnaires and survey's, have no health risks. In addition, there may be projects that involve some type of measure of performance (e.g. memory task or reaction time), and it is important to note that there are no right or wrong answers or poor performance. The focus of the research is in group performance, not individual performance.

Possible Benefits: By participating you will gain insight to psychological research and the complexities of conducting research. The knowledge gained from your participation as researcher and participant will benefit you in this course and in understanding research methods. This knowledge is invaluable in the field of Psychology. The hands-on experience may give you the advantage in your future academic career in psychology and provide a unique understanding of human behavior. You may have an opportunity to contribute to psychological science by participating and or presenting research.

Confidentiality: Your data will be assigned a random number which will protect your identity. All data will be kept in secured files, in accord with the standards the American Psychological Association, by the primary investigator, in this case the instructor. There will be no personal identifying information connected to your data. No one will be able to distinguish your data from other participant's data.

Opportunities to be Informed of Results: The results the research will be available during the course of the semester for student to complete course assignments. Please contact the primary investigator for any other information at castillo_ricardo@sac.edu or (714) 546-6555.

I, _____, have read the statements above, understand the same,
(print name)

and voluntarily sign this form. I further acknowledge that I have received an offer of a copy of this consent form. I do not wish to participate in this anonymous research (Please check box)

Date _____

Signature of Participant _____

(Sign Only if You Consent)