

**Basic Course Information**

<b>Semester:</b>	<b>FALL 2022</b>	<b>Instructor Name:</b>	<b>Brenda Estrada</b>
<b>Course Title &amp; #:</b>	<b>PSY 212: Research Methods in Psychology</b>	<b>Email:</b>	<b>Brenda.estrada@imperia.edu</b>
<b>CRN #:</b>	<b>10545</b>	<b>Webpage (optional):</b>	<b>www.imperial.edu</b>
<b>Classroom:</b>	<b>Room 411</b>	<b>Office #:</b>	<b>807C</b>
<b>Class Dates:</b>	<b>Aug 15- Dec 10th, 2022</b>	<b>Office Hours:</b>	<b>Mon/ Wed: 1:00 pm -2:00pm (ONLINE) Tues/ Thurs: 11:30am-12:30pm</b>
<b>Class Days:</b>	<b>Tuesdays</b>	<b>Office Phone #:</b>	<b>Office #: 760-760) 355-6335 Cellphone: (760)997-6048</b>
<b>Class Times:</b>	<b>6:30 pm- 9:40 pm</b>	<b>Emergency Contact:</b>	<b>Elvia Camillo</b>
<b>Units:</b>	<b>3.0</b>	<b>Class Format:</b>	<b>Face-to-Face</b>

**Course Description**

This course introduces research methodologies used in the behavioral sciences. It emphasizes an appreciation of the scientific method, the development of research skills, knowledge of research ethics, and the evaluation of scientific research. Students conduct library research, design and implement research projects using appropriate methodologies and controls, analyze and interpret data using a statistical computer program, and write research reports using the APA format.

**Course Prerequisite (s)and/or Corequisite (s)**

Prerequisite: PSY 101 and (PSY 214 or MATH 119) with a grade of "C" or better

**Student Learning Outcomes**

Upon Course completion, the successful student will have acquired new skills, knowledge and or attitudes as demonstrated by being able to:

1. Evaluate and summarize relevant peer reviewed scientific articles.
2. Develop a research design to evaluate a hypothesis.
3. Communicate background, results and implications of research using APA style.

**Course Objectives**

Upon satisfactory completion of the course, students will be able to:

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1. Compare and contrast different research methods and sampling techniques.

2. Explain how controls are used to reduce threats of internal validity, external validity, and measurement validity.
3. Discuss the characteristics and benefits of the scientific method and explain the logic behind hypothesis testing.
4. Design and conduct empirical research project(s).
5. Utilize library research and evaluate the reliability of sources.
6. Critically read, extract information, evaluate, and summarize research in behavioral sciences.
7. Analyze research data using a statistical package, demonstrating knowledge of statistics by selecting the appropriate descriptive statistics, inferential statistics, graphs, and tables to evaluate, explore and communicate findings.
8. Write college-level scientific research papers using APA writing style (e.g., abstract, introduction, methods, participants, materials, procedure, results discussion, reference section).
9. Explain ethical issues pertaining to behavioral science research with animal and human subjects.

### Textbooks & Other Resources or Links

Gravetter, F.J. & Forzano, L.B. (2018). *Research Methods for the Behavioral Sciences*, (6th Ed.). Cengage. ISBN: 978-1-337-61331-6

### Course Requirements and Instructional Methods

**Method of evaluation:** Exams, Research assignment, discussions and group assignment.

**Instructional Methodology:** Audio, visual, demonstration and discussion.

**Research Project (Research paper):** You will be required to design a research project. More information about this assignment will be given later.

**Discussion (Canvas):** Discussion questions will be based on a topic that is relevant to the chapter of the week. Students will reply to the post providing their relevant and appropriate response. Students will also reply to one of their classmates providing further information and/or opinion on the subject.

**Quizzes:** Quizzes will be given for each chapter read. Each quiz will be worth 10 points.

**Class participation and attendance:** Class participation will be measured by presence, active interest and involvement in discussions, exercises, and presentations.

**Exams:** There will be 2 exams, each with 25 multiple-choice and true/false questions. Each question is worth 2-points. The exams will cover 2-4 chapters at a time and course material throughout the semester. Study guides will be provided 1-week before the exams.

- **Students will have the opportunity to submit an extra credit assignment at the end of the course.**

**Out of Class Assignments:** The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

### Course Grading Based on Course Objectives

90-100%= A

80-89%= B

70-79%=C

60-69%= D

0-59%=F

Participation	50 points
Exams (2) *50 points each	100 points
Quizzes (13) *10 points each	130 points
Group Presentation/Research (Final)	200 points
Weekly discussions-Canvas (16 weeks) *10 points each	160 points

*Total points : 640 points*

### Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be

desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.

- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absence exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

### Online Netiquette

What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.

- Students are to comply with the following rules of netiquette:

- (1) identify yourself,
- (2) include a subject line,
- (3) avoid sarcasm,
- (4) respect others' opinions and privacy,
- (5) acknowledge and return messages promptly,
- (6) copy with caution,
- (7) do not spam or junk mail,
- (8) be concise,
- (9) use appropriate language,
- (10) use appropriate emoticons (emotional icons) to help convey meaning, and
- (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].

### Academic Honesty

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to "cite a source" correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General

Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

### **How do I show academic honesty and integrity in an online “classroom”?**

- **KEEP YOUR PASSWORDS CONFIDENTIAL.**

- ✓ You have a unique password to access online software like Canvas. Never allow someone else to log-in to your account.

- **COMPLETE YOUR OWN COURSEWORK.**

o When you register for an online class and log-in to Canvas, you do so with the understanding that you will produce your own work, take your own exams, and will do so without the assistance of others (unless directed by the instructor).

#### **Examples of Academic Dishonesty that can occur in an online environment:**

- Copying from others on a quiz, test, examination, or assignment;
- Allowing someone else to copy your answers on a quiz, test, exam, or assignment;
- Having someone else take an exam or quiz for you;
- Conferring with others during a test or quiz (if the instructor didn't explicitly say it was a group project, then he/she expects you to do the work without conferring with others);
- Buying or using a term paper or research paper from an internet source or other company or taking any work of another, even with permission, and presenting the work as your own;
- Excessive revising or editing by others that substantially alters your final work;
- Sharing information that allows other students an advantage on an exam (such as telling a peer what to expect on a make-up exam or prepping a student for a test in another section of the same class);
- Taking and using the words, work, or ideas of others and presenting any of these as your own work is plagiarism. This applies to all work generated by another, whether it be oral, written, or artistic work. Plagiarism may either be deliberate or unintentional.

### **IVC Student Resources**

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit <http://www.imperial.edu/studentresources> or click the heart icon in Canvas.

Imperial Valley College offers various services in support of student success. The following are some of the services available for students. Please speak to your instructor about additional services which may be available.

- **CANVAS LMS.** Canvas is Imperial Valley College's main Learning Management System. To log onto Canvas, use this link: [Canvas Student Login](#). The [Canvas Student Guides Site](#) provides a variety of support



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available to students 24 hours per day. Additionally, a 24/7 Canvas Support Hotline is available for students to use: 877-893-9853.

- Learning Services. There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your Campus Map for the Math Lab; Reading, Writing & Language Labs; and the Study Skills Center.

- Library Services. There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.

### **Extended Opportunity Program and Services (EOPS)**

The Extended Opportunity Program and Services (EOPS) offers services such as priority registration, book grants, transportation assistance, individualized counseling, tutoring, and community referrals to eligible students. Our staff is available to assist and support students in navigating personal, psychological, academic, and/or career-related issues through empathy, cultural-competence, and a commitment to equity and social justice. Also under the umbrella of EOPS is the CARE (Cooperative Agency Resources for Education) Program, designed to serve single parents and assist with addressing issues that are particular to this population. Students that are single parents receiving TANF/Cash Aid assistance may qualify for our CARE program. For additional information about the EOPS or CARE Programs please contact our Program Office 760.335-6407 and/or visit our Program website [www.imperial.edu/students/eops](http://www.imperial.edu/students/eops) for eligibility criteria and application procedures. We look forward to serving you! - EOPS/CARE Staff

### **Student Equity Program**

The Student Equity Program strives to improve Imperial Valley College's success outcomes, particularly for students who have been historically underrepresented and underserved. The college identifies strategies to monitor and address equity issues, making efforts to mitigate any disproportionate impact on student success and achievement. Our institutional data provides insight surrounding student populations who historically, are not fully represented. Student Equity addresses disparities and/or disproportionate impact in student success across disaggregated student equity groups including gender, ethnicity, disability status, financial need, Veterans, foster youth, homelessness, and formerly incarcerated students. The Student Equity Program provides direct supportive services to empower students experiencing insecurities related to food, housing, transportation, textbooks, and shower access. We recognize that students who struggle meeting their basic needs are also at an academic and economic disadvantage, creating barriers to academic success and wellness. We strive to remove barriers that affect IVC students' access to education, degree and certificate completion, successful completion of developmental math and English courses, and the ability to transfer to a university. Contact: 760.355.5736 or 760.355.5733 Building 100.

The Student Equity Program also houses IVC's Homeless Liaison, who provides direct services, campus, and community referrals to students experiencing homelessness as defined by the McKinney-Vento Act. Contact: 760.355.5736 Building 100.



## Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the [Disabled Student Programs and Services \(DSP&S\)](#) office as soon as possible.

The DSP&S office is located in Building 2100, telephone 760-355-6313.

Please contact them if you feel you need to be evaluated for educational accommodations.

## Student Counseling and Health Services

- Students have counseling and health services available, provided by the pre-paid Student Health Fee.
- **Student Health Center.** A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District provide basic health services for students, such as first aid and care for minor illnesses.
  1. Contact the IVC [Student Health Center](#) at 760-355-6128 in Room 1536 for more information.
- **Mental Health Counseling Services.** Short-term individual, couples, family and group counseling services are available for currently enrolled students. Services are provided in a confidential, supportive, and culturally sensitive environment. Please contact the IVC Mental Health Counseling Services at 760-355-6310 or in the building 1536 for appointments or more information.

## Anticipated Class Schedule/Calendar

Date or Week	Activity, assignment, and/ or topic	Pages/ Due Dates/Tests
Week 1 Aug 16 <sup>th</sup>	Syllabus & Introduction	<b>Introductions</b> <b>*Welcome discussion Canvas due on 8/21</b>
Week 2 Aug 23 <sup>rd</sup>	Chapter 1. Introduction, Acquiring Knowledge, and the Scientific Method	<b>Review APA Format</b> <b>Lecture</b> <b>*Quiz</b> <b>*Videos</b> <b>*Weekly discussion Canvas due on 8/28</b>
Week 3 Aug 30 <sup>th</sup>	Chapter 2. Research Ideas and Hypotheses	<b>Lecture</b> <b>*Quiz</b> <b>*Videos</b> <b>*Weekly discussion Canvas due on 9/4</b>
Week 4 Sept 6 <sup>th</sup>	Chapter 3. Defining and Measuring Variables	<b>Lecture</b> <b>*Quiz</b> <b>*Videos</b>

		<b>*Weekly discussion Canvas due on 9/11</b>
<b>Week 5</b> <b>Sept 13<sup>th</sup></b>	Chapter 4. Ethics in Research	<b>Lecture</b> <b>*Quiz</b> <b>*Videos</b> <b>*Weekly discussion Canvas due on 9/18</b>  <b>Review study guide</b>
<b>Week 6</b> <b>Sept 20<sup>th</sup></b>	Chapter 5. Selecting Research Participants	<b>Lecture</b> <b>*Quiz</b> <b>*Videos</b> <b>*Weekly discussion Canvas due on 9/25</b> <b>*Exam #1(Chapters 1-4)</b>
<b>Week 7</b> <b>Sept 27<sup>th</sup></b>	Chapter 6. Research Strategies and Validity	<b>Lecture</b> <b>*Quiz</b> <b>*Videos</b> <b>*Weekly discussion Canvas due on 10/2</b>
<b>Week 8</b> <b>Oct 4<sup>th</sup></b>	Chapter 7. The Experimental Research Strategy	<b>Lecture</b> <b>*Quiz</b> <b>*Videos</b> <b>*Weekly discussion Canvas due on 10/9</b>
<b>Week 9</b> <b>Oct 11<sup>th</sup></b>	Chapter 8. Experimental Designs: Between-Subjects Design	<b>Lecture</b> <b>*Quiz</b> <b>*Videos</b> <b>*Weekly discussion Canvas due on 10/16</b> <b>*Begin group activity for final presentations</b>
<b>Week 10</b> <b>Oct 18<sup>th</sup></b>	Chapter 9. Experimental Designs: Within-Subjects Design	<b>Lecture</b> <b>*Quiz</b> <b>*Videos</b> <b>*Weekly discussion Canvas due on 10/23</b>



		<p><b>*Group activity</b>  <b>Review study guide</b></p>
<p>Week 11  <b>Oct 25<sup>th</sup></b></p>	<p>Chapter 10. The Nonexperimental and Quasi-Experimental Strategies: Nonequivalent Group, Pre-Post, and Developmental Designs</p> <p>Chapter 11. Factorial Designs</p>	<p><b>Lecture</b>  <b>*Quiz</b>  <b>*Videos</b>  <b>*Weekly discussion Canvas due on 10/30</b>  <b>*Group activity</b>  <b>* Exam #2 (Chapters 5-9)</b></p>
<p>Week 12  <b>Nov 1<sup>st</sup></b></p>	<p>Chapter 12. The Correlational Research Strategy</p> <p>Chapter 13. The Descriptive Research Strategy</p>	<p><b>Lecture</b>  <b>*Quiz</b>  <b>*Videos</b>  <b>*Weekly discussion Canvas due on 11/6</b>  <b>Group activity</b></p>
<p>Week 13  <b>Nov 8<sup>th</sup></b></p>	<p>Chapter 14. Single-Case Experimental Research Designs</p>	<p><b>Lecture</b>  <b>*Quiz</b>  <b>*Videos</b>  <b>*Weekly discussion Canvas due on 11/13</b>  <b>Group activity</b></p>
<p>Week 14  <b>Nov 14<sup>th</sup></b></p>	<p>Chapter 15. Statistical Evaluation of Data</p>	<p><b>Lecture</b>  <b>*Quiz</b>  <b>*Videos</b>  <b>*Weekly discussion Canvas due on 11/20</b>  <b>*Group activity</b></p>
<p>Week 15  <b>Nov 22<sup>nd</sup></b></p>	<p><b>NO CLASSES/THANKSGIVING</b></p>	
<p>Week 16  <b>Nov 29<sup>th</sup></b></p>	<p><b>Begin final presentations</b></p>	<p><b>Class presentations</b>  <b>*Weekly discussion Canvas 12/4</b></p>
<p>Week 17</p>	<p><b>Final presentations</b>  <b>Last day of classes!!</b></p>	<p><b>*Weekly discussion Canvas due on 12/10</b></p>



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<b>Dec 6<sup>th</sup></b>		<b>Class Presentations/ Research paper due</b> <b>-Extra credit due</b> <b>-Evaluations due</b>
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