![Chaminade University of Honolulu logo]

SPSY 715 Research Methods
Spring 2024
Class Location: Online
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Office Hours: Mondays 8-10am and by appointment- please email for virtual link

Required Text:
Cozby, P. & Bates, S. (2024) Methods in Behavioral Research (15th Ed.). McGraw Hill Education

Course Description

This course provides foundational knowledge and skills in research design and methodology for application in school psychology research and practice. Quantitative, qualitative, mixed methods, and action research will be examined. Developing skills in consuming research, evaluating quality studies, and designing ethical investigations will be emphasized.

EdS in School Psychology Program Learning Outcomes (PLO)

EdS in School Psychology students will:

1. Exhibit competency in varied models and methods of assessment and data collection to identify strengths and needs, monitor progress, and engage in data-based decision-making related to academic, behavioral, and mental health functioning. (NASP Domains 1, 2, & 4)
2. Employ knowledge and skills to promote services at the individual, family, group, and system levels intended to enhance school climate, learning, and mental health and develop the necessary skills for students to become effective learners. (NASP Domains 3, 5, 6, & 7)
3. Apply knowledge of diversity factors in development, culture, and individual differences to provide effective services, advocate for social justice, and enhance family and school partnerships. (NASP Domains 7 & 8)
4. Exhibit legal, ethical, and professional standards in the application of skills in communication skills of communication, collaboration, and supervision to improve school and community climates. (NASP Domains 6 & 10)

5. Display skills to evaluate and apply research, translate evidence-based practices to professional work, and demonstrate knowledge of varied school psychology service delivery models. (NASP Domains 1, 5, & 9)

Characteristics and Values

SPSY 715 Research Methods is guided by the Marianist Educational Value of Educate for Adaptation and Change. Father Chaminade said, "new times call for new methods." This could not be truer for the field of School Psychology. School Psychology seeks to identify and understand why we do what we do and think what we think within the context of diversity. This value guides this course through its focus on the development of:

1. Flexible thinking;
2. Being respectful of differences;
3. Critical thinking; and
4. Open-mindedness.

This will be found in our class discussions and in our capstone culture presentation.

Course Learning Outcomes

School Psychology students will:

1. Explain and compare various research methodologies, including quantitative, qualitative, mixed methods, and single case designs. (NASP 9)
2. Evaluate research studies by applying the fundamentals of statistics, measurement, validity, reliability, and experimental design. (NASP 9)
3. Design ethically and methodologically sound research studies to address problems facing schools and students. (NASP 9)
4. Analyze and interpret data using appropriate quantitative and qualitative analytical strategies. (NASP 9)
5. Incorporate skills in consuming research, data analysis, and program evaluation to apply scientific findings to improve school psychological services. (NASP 9)

Course Approach

We will be utilizing an online seminar approach; thus, we will be incorporating class discussions via our online format in Canvas and/or Zoom. Students must complete the readings prior to posting any discussion material; otherwise, the discussions will not be informed ones. Due to the nature of the material we are discussing, there is likely to be some lively discussion and some disagreement on issues. In addition, some people may feel uncomfortable or upset by some of the material. As such, we want to make sure to follow these ground rules:

- Acknowledge that people in our culture have different experiences based on race, ethnicity, class, sex, age, and sexuality.

- Think psychologically about the issues we tackle and be prepared to critically analyze your own opinions and beliefs.
- Agree that this course should be a place where no one is made to feel embarrassed or ashamed. Disrespectful behavior will not be tolerated. No attacks that might be deemed personal should be made on the discussion boards. However, healthy discussion and debate is welcome and encouraged. We do not have to agree with one another, but we must be able to discuss our differences in a respectful manner.

In terms of general participation, students are responsible for all material posted each week. This course will require a fair amount of reading and video viewing, so do make sure to plan your study time wisely. Prior to any class discussions, students are expected to have engaged the material such that they are prepared with questions and reflections. This allows for more coherent participation in the course discussions. Although specific readings and videos will be assigned for each week, students are encouraged to consider and discuss comparisons and disparities among the readings and videos.

Course Website Address (Canvas): https://chaminade.instructure.com/

Hardware Requirements: Canvas is accessible from both PC and Mac computers with a reliable internet connection. You will also need to be able to access audio and video files. Subsequently, you should have access to speakers or headphones that allow you to hear the audio.

Software Requirements: You will need to have some ability to listen to audio in an mp3 format, watch videos in mp4 format, stream online videos, and read .pdf files. There are a number of free software online that can be downloaded for free. If you need assistance with locating software please feel free to contact me or Chaminade Help Desk at cstechsupport@chaminade.edu or (808) 735-4855.

Grading

Final grades will be based on the quality of work and will be assigned based on a straight percentage basis using the following table:

Letter grades are given in all courses except those conducted on a credit/no credit basis. Grades are calculated from the student's daily work, class participation, quizzes, tests, term papers, reports and the final examination. They are interpreted as follows:

Letter Grade	Range
A	100-90%
B	89-80%
C	79-70%
D	69-60%
F	59-0%

A - Outstanding scholarship and an unusual degree of intellectual initiative

B - Superior work done in a consistent and intellectual manner

C - Average grade indicating a competent grasp of subject matter

D - Inferior work of the lowest passing grade, not satisfactory for fulfillment of prerequisite course work

F - Failed to grasp the minimum subject matter; no credit given

Course Requirements

Assignments:

Weekly Chapter Quizzes - (87.5 points)
Each chapter quiz will review the content from the chapter reading assignment

School Psychology Research Article Discussion (45 Points)
Students will engage in an online forum to critically discuss the application and impact of various research methodologies in the field of school psychology.

Illustrative article reviews- (65 points)
Selected chapters will have selected article from the professional literature that demonstrates and illustrates the content presented. Key discussion questions provide applied, critical thinking, and summative learning.

Research proposal paper/presentation (100 points)
You will prepare a research proposal addressing a specific problem of interest within your field of interest.

The research proposal will consist of the following sections:
- **Title page**
- **Abstract**: Very clearly posed abstract that provides a summary of the research report that includes the hypothesis, the procedure, and projected results in 120 words or less.
- **Literature Review**
  - ✓ **Background information** (how problem has been investigated and how past research and theories have been applied to the identified problem)
  - ✓ **Statement of the problem** (research question, hypothesis, and prediction statement)
- **Methodology** (you must justify your choices using the literature to support your claims and rationale)
  - ✓ Operational definitions
  - ✓ Subject Description (the proposed characteristics of the participants, how this sample population will be chosen)
  - ✓ Procedures **(**procedural steps of the research process, how the research will be conducted; and description of the proposed testing materials/ assessments or intervention that will be utilized**)**
  - ✓ Study Survey Instrument- example of what will be used to collect information

        ✓   Statistical analysis that will be performed with fake collected data

        Reference page (no less than 8 peer-reviewed journal articles)
- o   This Research Proposal must be formatted using APA style 7th edition.
- o   Refer to Research Proposal rubric to view the expectations of this assignment.

Electronic Presentation

        You will upload your 15 minute research proposal in an electronic presentation program.

Course Policies

Late Work Policy

All assignment will be due in canvas by 11:59 pm on the due dates specified in this syllabus. Late submissions of assignments will be accepted until the last day of class (June 16, 2024). Regardless of the reason, all late assignments will receive a 50% point deduction irrespective of how late it is submitted.

Grades of "Incomplete"

A student in good standing in a course, may petition to the instructor for an "I" grade. This grade is appropriate only if extraordinary conditions beyond the control of the student have led to an inability to complete course requirements. When submitting a grade, the "I" must be accompanied by the alternative grade that will be automatically assigned after 30 days. These include, IB, IC, ID and IF. If only an "I" is submitted, the default grade is F. The completion of the work, evaluation, and reporting of the final grade is due within 30 days after the end of the term. The time limit may extend under exceptional circumstances with approval. Any student who has incomplete grades into the next semester will be required to review their course schedule with the Office of Student Success before the end of the drop/add period.

Attendance

Students are expected to attend regularly all courses for which they are registered. Students should notify their instructor when illness prevents them from attending class and make arrangements to complete missed assignments. Notification may be done by calling the instructor's campus extension or the Psychology program office (735-4751 or 739-8393). It is the instructor's prerogative to modify deadlines of course requirements accordingly. Any student who stops attending a course will receive a failing grade.

Students are expected to actively participate in course room discussions. Students should notify their instructor when illness or circumstances prevents them from actively participating in class for periods longer than one week.

Unexcused absences equivalent to more than three days of classes may lead to a grade reduction for the course. Any absence exceeding three days or more must be reported to the Associate Provost and the Records Office by the instructor.

Federal regulations require continued attendance for continuing payment of financial aid. If attendance is not continuous, financial aid may be terminated. When illness or personal reasons

necessitate continued absence, the student should officially withdraw from all affected courses. Anyone who stops attending a course without official withdrawal may receive a failing grade.

Credit Hour Policy

The unit of semester credit is defined as university-level credit that is awarded for the completion of coursework. One credit hour reflects the amount of work represented in the intended learning outcomes and verified by evidence of student achievement for those learning outcomes. Each credit hour earned at Chaminade University should result in 37.5 hours of engagement. For example, in a one credit hour traditional face to face course, students spend 50 minutes in class per week for 15 weeks, resulting in a minimum of 12.5 instructional hours for the semester. Students are expected to engage in reading and other assignments outside of class for at least 2 additional hours per week, which equals an additional 25 hours. These two sums result in total student engagement time of 37.5 hours for the course, the total engagement time expected for each one credit course at Chaminade.

The minimum 37.5 hours of engagement per credit hour can be satisfied in fully online, internship, or other specialized courses through several means, including (a) regular online instruction or interaction with the faculty member and fellow students and (b) academic engagement through extensive reading, research, online discussion, online quizzes or exams; instruction, collaborative group work, internships, laboratory work, practica, studio work, and preparation of papers, presentations, or other forms of assessment. This policy is in accordance with federal regulations and regional accrediting agencies.

Academic Honesty

Academic honesty is an essential aspect of all learning, scholarship, and research. It is one of the values regarded most highly by academic communities throughout the world. Violations of the principle of academic honesty are extremely serious and will not be tolerated.

Students are responsible for promoting academic honesty at Chaminade by not participating in any act of dishonesty and by reporting any incidence of academic dishonesty to an instructor or to a University official. Academic dishonesty may include theft of records or examinations, alteration of grades, and plagiarism.

Questions of academic dishonesty in a particular class are first reviewed by the instructor, who must make a report with recommendations to the Dean of the Academic Division. Punishment for academic dishonesty will be determined by the instructor and the Dean of the Academic Division and may range from an 'F' grade for the work in question to an 'F' for the course to suspension or dismissal from the University.

Academic Conduct Policy

From the 2018-2019 Undergraduate Academic Catalog (p. 42):

Any community must have a set of rules and standards of conduct by which it operates. At Chaminade, these standards are outlined so as to reflect both the Catholic, Marianist values of the institution and to honor and respect students as responsible adults. All alleged violations of the community standards are handled through an established student conduct process, outlined in

the Student Handbook, and operated within the guidelines set to honor both students' rights and campus values.

Students should conduct themselves in a manner that reflects the ideals of the University. This includes knowing and respecting the intent of rules, regulations, and/or policies presented in the Student Handbook, and realizing that students are subject to the University's jurisdiction from the time of their admission until their enrollment has been formally terminated. Please refer to the Student Handbook for more details. A copy of the Student Handbook is available on the Chaminade website.

For further information, please refer to the Student Handbook: https://studentaffairs.chaminade.edu/wp-content/uploads/sites/28/2018-19-NEW-STUDENT-HANDBOOK.pdf (Links to an external site.) (Links to an external site.)

Disability Access

If you need individual accommodations to meet course outcomes because of a documented disability, please speak with me to discuss your needs as soon as possible so that we can ensure your full participation in class and fair assessment of your work. Students with special needs who meet criteria for the Americans with Disabilities Act (ADA) provisions must provide written documentation of the need for accommodations from Kōkua 'Ike: Center for Student Learning by the end of week three of the class, in order for instructors to plan accordingly. If a student would like to determine if they meet the criteria for accommodations, they should contact the Kōkua 'Ike Coordinator at (808) 739-8305 for further information (ada@chaminade.edu).

Title IX Compliance

Chaminade University of Honolulu recognizes the inherent dignity of all individuals and promotes respect for all people. Sexual misconduct, physical and/or psychological abuse will NOT be tolerated at CUH. If you have been the victim of sexual misconduct, physical and/or psychological abuse, we encourage you to report this matter promptly. As a faculty member, I am interested in promoting a safe and healthy environment, and should I learn of any sexual misconduct, physical and/or psychological abuse, I must report the matter to the Title IX Coordinator. If you or someone you know has been harassed or assaulted, you can find the appropriate resources by visiting Campus Ministry, the Dean of Students Office, the Counseling Center, or the Office for Compliance and Personnel Services.

Marianist Educational Values

Chaminade University is a Catholic, Marianist University. The five characteristics of a Marianist education are:

Educate for Formation in Faith

Catholic Universities affirm an intricate relationship between reason and faith. As important as discursive and logical formulations and critical thinking are, they are not able to capture all that can be and ought to be learned. Intellectual rigor coupled with respectful humility provide a more profound preparation for both career and life. Intellectual rigor characterizes the pursuit of all that can be learned. Respectful humility reminds people of faith that they need to learn from

those who are of other faiths and cultures, as well as from those who may have no religious faith at all.

Provide an Excellent Education

In the Marianist approach to education, "excellence" includes the whole person, not just the technician or rhetorician. Marianist universities educate whole persons, developing their physical, psychological, intellectual, moral, spiritual and social qualities. Faculty and students attend to fundamental moral attitudes, develop their personal talents and acquire skills that will help them learn all their lives. The Marianist approach to education links theory and practice, liberal and professional education. Our age has been deeply shaped by science and technology. Most recently, information and educational technologies have changed the way faculty and students research and teach. At Marianist Universities, two goals are pursued simultaneously: an appropriate use of information technology for learning, and the enhancement of interaction between students and teachers. As Catholic, Marianist Universities seek to embrace diverse peoples and understand diverse cultures, convinced that ultimately, when such people come together, one of the highest purposes of education is realized: a human community that respects every individual within it.

Educate in Family Spirit

Known for their strong sense of community, Marianists have traditionally spoken of this sense as "family spirit." Marianist educational experience fosters the development of a community characterized by a sense of family spirit that accepts each person with loving respect, and draws everyone in the university into the challenge of community building. Family spirit also enables Marianist universities to challenge their students, faculty and staff to excellence and maturity, because the acceptance and love of a community gives its members the courage to risk failure and the joy of sharing success.

Educate for Service, Justice, and Peace

The Marianist approach to higher education is deeply committed to the common good. The intellectual life itself is undertaken as a form of service in the interest of justice and peace, and the university curriculum is designed to connect the classroom with the wider world. In addition, Marianist universities extend a special concern for the poor and marginalized and promote the dignity, rights and responsibilities of all people.

Educate for Adaptation to Change

In the midst of rapid social and technological change, Marianist universities readily adapt and change their methods and structures so that the wisdom of their educational philosophy and spirituality may be transmitted even more fully. "New times call for new methods," Father Chaminade often repeated. The Marianist university faces the future confidently, on the one hand knowing that it draws on a rich educational philosophy, and on the other fully aware for that philosophy to remain vibrant in changing times, adaptations need to be made.

Selected from *Characteristics of Marianist Universities: A Resource Paper*, Published in 1999 by Chaminade University of Honolulu, St. Mary's University and University of Dayton

Each of these characteristics is integrated, to varying degrees, in this course however, the main focus is on the Marianist value of educating for adaptation and change. Psychology, by its nature, looks at how people adapt and change depending on the environment and circumstances that they are in. Cross cultural psychology looks at the impacts of culture on human behavior and helps us to understand how people are able to adapt and change as cultures change and the world becomes more of a global community.

Native Hawaiian Values

Education is an integral value in both Marianist and Native Hawaiian culture. Both recognize the transformative effect of a well-rounded, value-centered education on society, particularly in seeking justice for the marginalized, the forgotten, and the oppressed, always with an eye toward God (Ke Akua). This is reflected in the 'Olelo No'eau (Hawaiian proverbs) and Marianist core beliefs:

1. Educate for Formation in Faith (Mana) E ola au i ke akua ('Ōlelo No'eau 364) May I live by God
2. Provide an Integral, Quality Education (Na'auao) Lawe i ka ma'alea a kū'ono'ono ('Ōlelo No'eau 1957) Acquire skill and make it deep
3. Educate in Family Spirit ('Ohana) 'Ike aku, 'ike mai, kōkua aku kōkua mai; pela iho la ka nohana 'ohana ('Ōlelo No'eau 1200) Recognize others, be recognized, help others, be helped; such is a family relationship
4. Educate for Service, Justice and Peace (Aloha) Ka lama kū o ka no'eau ('Ōlelo No'eau 1430) Education is the standing torch of wisdom
5. Educate for Adaptation and Change (Aina) 'A'ohe pau ka 'ike i ka hālau ho'okahi ('Ōlelo No'eau 203) All knowledge is not taught in the same school

Scientific Method Definitions

The **METHODS OF SCIENCE** are only tools, tools that we use to obtain knowledge about phenomena.

The **SCIENTIFIC METHOD** is a set of assumptions and rules about collecting and evaluating data. The explicitly stated assumptions and rules enable a standard, systematic method of investigation that is designed to reduce bias as much as possible. Central to the scientific method is the collection of data, which allows investigators to put their ideas to an empirical test, outside of or apart from their personal biases. In essence, stripped of all its glamour, scientific inquiry is nothing more **THAN A WAY OF LIMITING FALSE CONCLUSIONS ABOUT NATURAL EVENTS.**

Knowledge of which the credibility of a profession is based must be objective and verifiable (testable) rather than subjective and untestable.

SCIENCE is a mode of controlled inquiry to develop an objective, effective, and credible way of knowing.

The assumptions one makes regarding the basic qualities of human nature (that is, cognitive, affective, behavioral, and physiological processes) affect how one conceptualizes human behavior.

The two basic functions of scientific approach are 1) advance knowledge, to make discoveries, and to learn facts in order to improve some aspect of the world, and 2) to establish relations among events, develop theories, and this helps professionals to make predictions of future events.

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Research Design in Counseling

Heppner, Kivlighan, and Wampold

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A **THEORY** is a large body of interconnected propositions about how some portion of the world operates; a **HYPOTHESIS** is a smaller body of propositions. **HYPOTHESES** are smaller versions of theories. Some are derived or born from theories. Others begin as researchers' hunches and develop into theories.

The **PHILOSOPHY OF SCIENCE** decrees we can only falsify, not verify (prove), theories because we can never be sure that any given theory provides the best explanation for a set of observations.

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Research Method In Social Relations

Kidder

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THEORIES are not themselves directly proved or disproved by research. Even **HYPOTHESES** cannot be proved or disproved directly. Rather, research may either support or fail to support a particular hypothesis derived from a theory.

Scientific research has four general goals: (1) to describe behavior, (2) to predict behavior, (3) to determine the causes of behavior, and (4) to understand or explain behavior.

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Methods In Behavioral Research; Cozby

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In order to verify the reliability and validity of scientific research it is important to replicate the results. It is the preponderance of evidence that establishes/supports the theory.

http://allpsych.com/researchmethods/replication.html (Links to an external site.)

Tentative Course Schedule

Week	Textbook Reading	Assignments due to Canvas	Due Date By 11:59pm
Week 1 4/8/24	Chapter 1	Quiz Chapter 1 Illustrative Article: Fictional First Memories Research Article Review Discussion	4/14/24
Week 2 4/15/24	Chapters 2 & 3	Quiz Chapters 2 & 3 Illustrative Article: Laptops in Class Illustrative Article: Replication of Milgram Research Article Review Discussion	4/21/24
Week 3 4/22/24	Chapters 4 & 5	Quiz Chapters 4 & 5 Illustrative Article: Anticipating One's Troubles Illustrate Article: Mitigating Gender Bias Research Article Review Discussion	4/28/24
Week 4 4/29/24	Chapters 6 & 7	Quiz Chapters 6 & 7 Illustrate Article: Eavesdropping on Happiness Illustrate Article: Alcohol Use Research Article Review Discussion	5/5/24
Week 5 5/6/24	Chapter 8	Quiz Chapter 8 Illustrate Article: Effects of Cell Phone Use Research Article Review Discussion	5/12/24
Week 6 5/13/24	Chapter 9	Chapter 9 Quiz Illustrate Article: Wearing a Bicycle Helmet Research Article Review Discussion	5/19/24
Week 7 5/20/24	Chapters 10 & 11	Chapters 10 & 11 Quizzes Illustrate Article: Busy Signal Illustrate Article: What Happened to the Cool Kids Research Article Review Discussion	5/26/24
Week 8 5/27/24	Chapters 12 & 13	Chapters 12 & 13 Quizzes Proposal Review Articles Research Article Review Discussion	6/2/24
Week 9 6/3/24	Chapter 14	Chapter 14 Quiz- Illustrate Article: Passenger and Cell Phone Conversations Research Article Review Discussion	6/9/24
Week 10 6/10/24		Final Research Proposal	6/16/24