



# Chaminade University

School of Education & Behavioral Sciences  
Criminology and Criminal Justice

## CJ 315 Behavioral Science Statistics

### Instructor Information



**Instructor:** Laura Johnston, Ph.D.

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**Office Location:** Hale Hoaloha 203b

**Office Hours:** By appointment

**Virtual Office Hours:** By appointment

### Communication

Please contact me by email if you have any questions or concerns. I will respond within 24-48 hours.

### School & Department Information

#### School of Education and Behavioral Sciences

Office Location: Brogan Hall 110

Phone: (808) 739-4652

If you have questions regarding the Criminology and Criminal Justice Department, reach out to your Instructor or the School of Education and Behavioral Sciences.

### Course Description & Materials

### Catalog Course Description

This class provides the student with basic information relating to the design of research, hypothesis generation, data collection and organization, as well as statistical calculation and interpretation using SPSS.

### Time Allocation

This is a 3 credit hour course requiring 135 hours of student engagement, per the official CUH Credit Hour Policy. Students enrolled in this course are anticipated to spend an estimated 159 hours engaging in course material via class videos, readings, discussions, assignments, and quizzes.

### Required Materials

Salkind, Statistics for People Who (Think They) Hate Statistics 7e (Paperback) ISBN-13: 978-1544381855 ISBN-10: 1544381859

Online textbook support (Datasets, Tutorials, Flashcards):

<https://edge.sagepub.com/salkindfrey7e/studentresources>

IBM SPSS v27 or later. You may purchase SPSS here:

<https://www.hearne.software/SPSS-Grad-Pack-Selection-v30>

[Links to an external site.](#)

Alternatively, you may request a free download of SPSS through CUH Client Services ([cstechsupport@chaminade.edu](mailto:cstechsupport@chaminade.edu)) or you may use SPSS on any CUH library computer.

**Canvas** (<https://chaminade.instructure.com>)

We will be using Canvas throughout this course. Please be sure to check Canvas for announcements and assignment updates.

#### Technical Assistance for Canvas Users

- Search for help on specific topics or get tips in Canvas Students
- Live chat with Canvas Support for students
- Canvas Support Hotline for students: +1-833-209-6111
- Online tutorials: click on “Students” role to access tutorials
- Contact the Chaminade IT Helpdesk for technical issues: [helpdesk@chaminade.edu](mailto:helpdesk@chaminade.edu) or call (808) 735- 4855

### Learning Outcomes

### **Program Learning Outcomes (PLOs)**

Upon completion of the B.S. in Criminology and Criminal Justice (Online Program), the student will be able to:

1. Describe the interrelated institutions and processes of the criminal justice system, including the basic rights guaranteed to each individual by both state and federal constitutions and laws.
2. Apply theories of crime and criminal justice to explain actual and hypothetical scenarios, behaviors, and trends.
3. Evaluate social, cultural, and technological change and its impact on the criminal justice system.
4. Assess social inequities in crime and criminal justice processes by race, social class, gender, region and age.
5. Articulate a working knowledge of qualitative and quantitative research methods by explaining the various social science methods of inquiry and use these to test specific criminological research questions.
6. Engage the Marianist tradition of education for service, peace, and justice as it pertains to local and national social justice, injustices, and inequities in the criminal justice field.

### **Course Learning Outcomes (CLOs)**

Upon completion of this course, the student will be able to:

1. Explain the difference between populations and samples, and what is associated with each in terms of research issues and statistical techniques (CJ PLO 5)
2. Create and present visual presentations and interpretations of data in graph and table form (PLO 5).
3. Utilize and apply SPSS in data entry, coding of variables, performing statistical functions, and producing output for analysis (CJ PLO 5).
4. Utilize and apply the scientific method to assess relationships between variables and hypothesis testing analysis (CJ PLO 5).

### **Marianist Values**

This class represents one component of your education at Chaminade University of Honolulu. An education in the Marianist Tradition is marked by five principles and you should take every opportunity possible to reflect upon the role of these characteristics in your education and development:

1. Education for formation in faith.
2. Provide an integral, quality education.
3. Educate in family spirit.
4. Educate for service, justice and peace, and integrity of creation.

## 5. Educate for adaptation and change.

This course will specifically focus on educating for service, justice, and peace. We will address fairness, equality, and the pursuit of a more just and equitable society through selection of research topics and abiding by ethical research guidelines.

### 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 ('Olelo 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 ('Olelo 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 ('Olelo 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 ('Olelo 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 ('Olelo No'eau 203) All knowledge is not taught in the same school

### Alignment of Course Learning Outcomes

|                                                 | CLO 1 | CLO 2 | CLO 3 | CLO 4 |
|-------------------------------------------------|-------|-------|-------|-------|
| <b>Marianist Values</b>                         | 4     | 5     | 4     | 4     |
| <b>PLOs</b>                                     | 5     | 5     | 5     | 5     |
| <b>Native Hawaiian Values</b>                   | 4     | 5     | 4     | 4     |
| <b>Gen Ed Learning Outcomes (if applicable)</b> |       |       |       |       |

### Course Activities

### **Discussions**

There are a total of 4 discussion posts, each worth 5 points. You must submit an original post (2.5 points) and reply to at least 1 of your classmates' posts (2.5 points).

### **Quizzes**

There are a total of 7 quizzes, each worth 2 points.

### **Exams**

There is one final exam on Chapters 1-12, which is worth 30 points.

### **Final Project:**

You will complete an individual survey research project consisting of a background section, methodology section, data analysis/tables, results section, and conclusion section. You must conduct an original survey by creating a questionnaire and analyzing the data you collect using SPSS.

Background and hypothesis: 5 points

Questionnaire: 5 points

Data Analysis: 15 points

Results and Conclusions: 15 points

Total= 40 points

### **Extra Credit**

There is no extra credit for this course.

### **Changes to the Syllabus**

While the provisions of this syllabus are as accurate and complete as possible, your instructor reserves the right to change any provision herein at any time. Every effort will be made to keep you advised of such changes, and information about such changes will be available from your instructor.

### **Grades of Incomplete**

The current university policy concerning incomplete grades will be followed in this course. A student in good standing in a course may petition the instructor for an "I" grade. All petitions must be requested in writing via email. Good standing means that the student has fulfilled the following three requirements:

1. Has completed more than 50% of the coursework
2. Has had continued communication with the instructor throughout the term regarding the issue/extraordinary condition preventing completion of the work.

3. The extraordinary conditions reported are beyond the control of the student and have led to an inability to complete course requirements.

Your instructor is the final authority on whether you qualify for an incomplete. Only one extension of 30 days per course will be allowed. Incomplete work must be finished by the end of the 30 day extension or the current grade will automatically be recorded as the final earned grade in the course on your transcript.

### Final Grades

Final grades are submitted to [Self-Service](#):

A = 90% and above

B = 80-89%

C = 70-79%

D = 60-69%

F = 59% and below

## Important Information

### 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, in addition to more obvious dishonesty.

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 Academic Division and may include an "F" grade for the work in question, an "F" grade for the course, suspension, or dismissal from the University.

For the most up to date information, please refer to the [Academic Honesty Policy](#) on the Chaminade University Catalog website.

### PLAGIARISM CHECKER:

You will notice in your assignments that a plagiarism checker (Turn it in) has been activated. This tool is designed to help both the student and the instructor. After submission, you will receive a color-coded flag and percentage next to your submission. This informs you of how much your assignment is similar to other work out there. If it is above 20%, I urge you to rework and resubmit your assignment prior to the due date. Whatever the last submission is PRIOR to the due date and time is the one I will grade. I will not grade a resubmission after the due date. If you do so, please add a comment to the instructor that you intend to re-submit the assignment, so it is not graded until you are satisfied with the similarity score. If you notice that there are a lot of similarities in the reference section, please disregard. If you are doing those correctly, they should match with other work. Any instances of plagiarism will be subject to discipline (see below section on academic honesty).

### **ARTIFICIAL INTELLIGENCE CHECKER:**

This course prohibits the use of AI software in completing any assignments, projects, or exams. The use of AI software is defined as the use of any computer program or algorithm that utilizes machine learning, natural language processing, or any other form of artificial intelligence to assist in completing coursework. In addition to checking for plagiarism, Turn It In also detects assignments that are likely written by AI software. It has a 98% reliability rating. Any assignment that indicates high levels of likelihood to be written by AI software is subject to review. Further, software that is designed to alter/hide AI usage is also prohibited. Any submitted work that is suspected of AI usage is subject to review. This may include an interview with the student to show competency in the assignment, an investigation of the assignment, and/or documented proof that AI was not used. Violating this policy will result in a penalty as described in the Academic Dishonesty policy noted in the handbook. Specifically for this class, the first offense will result in a zero for the assignment. The second offense will result in a failing grade. It does not matter if the second offense is in the last week of class, a failing grade will be automatically issued. IT IS URGED THAT ALL STUDENTS TAKE THIS SERIOUSLY.

### **Title IX and Nondiscrimination Statement**

Chaminade University of Honolulu is committed to providing a learning, working and living environment that promotes the dignity of all people, inclusivity and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking. As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator.

### **Nondiscrimination Policy & Notice of Nondiscrimination**

Chaminade University of Honolulu does not discriminate on the basis of sex and prohibits sex discrimination in any education program or activity that it operates, as required by Title IX and its regulations, including in admission and employment. Inquiries about Title IX may be referred to the University's Title IX Coordinator, the U.S. Department of Education's Office for Civil Rights, or both and contact information may be found at the [Chaminade University Title IX Office Contact Information and Confidential Resources website](#). On-campus Confidential Resources may also be found here at [CAMPUS CONFIDENTIAL RESOURCES](#).

The University's Nondiscrimination Policy and Grievance Procedures can be located on the University webpage at:  
<https://chaminade.edu/compliance/title-ix-nondiscrimination-policies-procedures/>.

To report information about conduct that may constitute sex discrimination or make a complaint of sex discrimination under Title IX, please refer to the [Campus Incident Report form](#). Chaminade University of Honolulu prohibits sex discrimination in any education program or activity that it operates. The NOTICE of NONDISCRIMINATION can be found here: [Notice of Nondiscrimination](#).

### **CUH Alert Emergency Notification**

To get the latest emergency communication from Chaminade University, students' cell numbers will be connected to Chaminade's emergency notification text system. When you log in to the Chaminade portal, you will be asked to provide some emergency contact information. If you provide a cell phone number, you will receive a text from our emergency notification system asking you to confirm your number. You must respond to that message to complete your registration and get emergency notifications on your phone.

### **Assessment for Student Work**

With the goal of continuing to improve the quality of educational services offered to students, Chaminade University conducts assessments of student achievement of course, program, and institutional learning outcomes. Student work is used anonymously as the basis of these assessments, and the work you do in this course may be used in these assessment efforts.

### **Student with Disabilities Statement**

Chaminade University of Honolulu offers accommodations for all actively enrolled students with disabilities in compliance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990, and the ADA Amendments Act (2008).

Students are responsible for contacting Kokua Ike: Center for Student Learning to schedule an appointment. Verification of their disability will be requested through appropriate documentation and once received it will take up to approximately 2–3 weeks to review them. Appropriate paperwork will be completed by the student before notification will be sent out to their instructors. Accommodation paperwork will not be automatically sent out to instructors each semester, as the student is responsible to notify Kokua Ike via email at [ada@chaminade.edu](mailto:ada@chaminade.edu) each semester if changes or notifications are needed.

### **Kōkua 'Ike: Tutoring & Learning Services**

Chaminade is proud to offer free, one-on-one tutoring and writing assistance to all students. Tutoring and writing help is available on campus at Kōkua 'Ike: Center for Student Learning in a variety of subjects (including, but are not limited to biology, chemistry, math, nursing, English, etc.) from trained Peer and Professional Tutors. Please check [Kōkua 'Ike's](#) website for the latest times, list of drop-in hours, and information on scheduling an appointment. Free online tutoring is also available via Tutor.com. Tutor.com can be accessed 24/7 from your Canvas account. Simply click the Tutor.com link in the Global Navigation panel on the left. For more information, please contact Kōkua 'Ike at [tutoring@chaminade.edu](mailto:tutoring@chaminade.edu) or 808-739-8305.

## Readings & Due Dates

| Theme                        | Info       |
|------------------------------|------------|
| Introduction to Statistics   | Chapter 1  |
| Measures of Central Tendency | Chapter 2  |
| Variance                     | Chapter 3  |
| Visual Displays of Data      | Chapter 4  |
| Correlation                  | Chapter 5  |
| Reliability and Validity     | Chapter 6  |
| Hypotheses                   | Chapter 7  |
| Normal Distribution          | Chapter 8  |
| Statistical Significance     | Chapter 9  |
| One-Sample Z-test            | Chapter 10 |
| Independent T-test           | Chapter 11 |
| Dependent T-test             | Chapter 12 |