

Course Information

As shown below the prerequisite is PSY 371 with a grade of C or better. Based on experience, Ken recommends a grade of B or better.

PSY 571-01 (Tuesday, Lecture) and PSY 571-02 (Thursday, Activity) are separately listed in the schedule, but there is no distinction as we will move seamlessly between lecture and lab formats on both days.

Intermediate Psychological Statistics

Class Number

PSY 0571

Section

01

Semester

Fall 2023

Description

Prerequisites: Restricted to upper-division Psychology majors; PSY 371 or equivalent with a grade of C or better. Statistical theory and techniques applicable to various experimental designs and other forms of psychological research. Lecture, 2 units; activity, 1 unit.

Instructor

Ken Paap

Professor

Contact

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Office Location

EP 503A

Office Hours

3:15-4:00 Tuesday, Thursday

About

Ken Paap — Ph. D. I have taught either intermediate or advanced statistics to students at New Mexico State or San Francisco State for more than 40 years. My lab does research on bilingualism and executive functioning (self-control, cognitive control, executive attention, willpower).

Materials

- * The Andy Field text cited below.
- * You can download the SPSS application program from SFSU "linspace" at no cost

(Required) *Discovering Statistics Using SPSS (5th Edition)*

Author(s)

Andy Field

Publisher

Sage

URL

www.sagepub.co.uk/field5e

ISBN

978152643566, 1526436566

You should be able to find good deals online for a used copy.

Grades

There will be three take-home exams. The third exam is the final exam, but they are equally weighted in determining the final grade. A typical take-home problem describes the underlying logic of an experiment, provides a set of data, and asks you to select an appropriate analysis, run the analysis, and interpret the results.

There are also four online quizzes based on the content of the text and lectures. The quizzes are available on CANVAS and there is a window of time when you can take it and also an opportunity to take a similar quiz to improve your grade. The total points on the quizzes will be approximately equal to the total possible points on one of the 3 take-home exams.

On the exams and quizzes you may use the textbook, your notes, and SPSS. However, the work must be the product of your effort without the assistance of classmates or human experts.

Letter Grade	Numerical Interval (cut-offs)
A	93-100%
A-	90-92%
B+	88-89%
B	83-87%
B-	80-82%
C+	75-79%
C	65-74%
C-	60-64%
D+	58-59%
D	53-57%

D-	50-52%
F	below 50%

Schedule

Date	Topic	Quiz/Exam
Tu Aug 22	Orientation	
Th Aug 24	Ch 1 The Research Process	Quiz 1 opens
Tu Aug 29	Ch 2 The SPINE of Statistics	Quiz 2 opens
Th Aug 31	Ch 3 The Phoenix of Statistics	Quiz 3 opens
Tu Sep 5	Ch 4 the SPSS Environment	
Tu Sep 7	Ch 5 Exploring Data with Graphs	
Tu Sep 12	Ch 8 Correlation	
Th Sep 14	Ch 8 Correlation	
Tu Sep 19	Ch 9 Simple Linear Regression	
Th Sep 21	Ch 9 Multiple Regression	
Tu Sep 26	Ch 9 Multiple Regression	Exam 1 Posted (Due Oct. 10th)
Th Sep 28	Ch 10 Comparing 2 means: Independent Designs	
Tu Oct 3	Ch 10 Comparing 2 means: Repeated Measures Designs	
Th Oct 5	Ch 10 Comparing 2 means	
Tu Oct 10	Ch 11 Mediation	
Th Oct 12	Ch 11 Mediation	Mediation Quiz opens
Tu Oct 17	Ch 12 Comparing several independent means	
Th Oct 19	Ch 12 Comparing several independent means	
Tu Oct 24	Ch 13 ANCOVA	
Th Oct. 26	Ch 13 ANCOVA	Exam 2 Posted (Due Nov 7th)
Tu Oct 31	Ch 14 Factorial ANOVA	
Th Nov 2	Ch 15 Factorial ANOVA	
Tu Nov 7	Ch 15 Repeated Measures ANOVA	

Th Nov. 9	Ch 15 Repeated Measure ANOVA	
Tu Nov 14	Ch 15 Repeated Measure ANOVA	
Th Nov 16	No class. Ken at Psychonomics	
Tu Nov 21	No Class Fall Recess	
Th Nov 23	No Class Fall Recess	
Tu Nov 28	Repeated Measures ANOVA	
Th Nov 30	Ch 16 Mixed Designs ANOVA	
Tu Dec 5	Ch 16 Mixed Designs ANOVA	
Th Dec 7	Ch 16 Mixed Designs ANOVA	Exam 3 Posted (due before midnight Dec 22nd)
W Dec 27	Grades Due by Faculty	

SF State Policies

Disability Access

Students with disabilities who need reasonable accommodations are encouraged to contact the instructor. The Disability Programs and Resource Center (DPRC) is available to facilitate the reasonable accommodations process. The DPRC is located in the Student Service Building and can be reached by telephone (voice/415-338-2472, video phone/415-335-7210) or by email (dprc@sfsu.edu).

Disclosures of Sexual Violence (Title IX)

SF State fosters a campus free of sexual violence including sexual harassment, domestic violence, dating violence, stalking, and/or any form of sex or gender discrimination. If you disclose a personal experience as an SF State student, the course instructor is required to notify the Title IX Coordinator by completing the report form available at <https://titleix.sfsu.edu>, emailing vpsaem@sfsu.edu, or calling (415) 338-2032. To disclose any such violence confidentially, contact:

- * The SAFE Place – (415) 338-2208; http://www.sfsu.edu/~safe_plc/
- * Counseling and Psychological Services Center – (415) 338-2208; psysevs.sfsu.edu

For more information on your rights and available resources, visit <http://titleix.sfsu.edu>.

Academic Integrity

Academic integrity, the ethical presentation of one's own work in accordance with the rules established for this class, is required. Instances of academic misconduct will be reported to the College in which the course is housed, the Division of Graduate Studies (if a graduate student), and the Office of Student Conduct with the report being kept in those offices until a student earns his/her degree. Any instances of cheating, deceit, fabrication, forgery, plagiarism, unauthorized altering of records or submitting false documents, unauthorized collaboration, unauthorized submission of work previously given credit, or other forms of academic misconduct will be assigned a grade penalty, likely an F or a grade of zero. Failing one or more assignments or examinations for reasons of

academic integrity violations may result in a final class grade of F. Students may not withdraw from classes in which they have committed academic misconduct. Consequences for violations of academic integrity may exceed an F on the assignment, examination, or class as determined by the Academic Integrity Review Committee.

Members of our academic community have a responsibility to develop an awareness of academic integrity, to cultivate skills to realize honesty in academic and community work, and to sustain actively academic honor as a core value of our community. Students are expected to engage in behaviors that reflect well upon the university. In addition to attending to one's own actions, the Standards for Student Conduct require that students who witness academic dishonesty notify their faculty/instructor, department chair, or the Office of Student Conduct. Supporting academic integrity enhances the reputation of the University and the value attributed to degrees awarded by the University.