

**CHAMINADE UNIVERSITY OF HONOLULU
PSY 316 QUANTITATIVE METHODS
SPRING 1998**

Instructor:	Marie J Burghardt, MSCP	
Time:	Thursday, 5:30 - 9:30	Camp Smith
Text:	<u>Methods in Behavioral Research, 6th edition</u>	Paul C. Cozby
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COURSE DESCRIPTION

This course is an introduction to research methodology of the social and behavioral sciences. This course is designed to provide a fundamental understanding of social and behavioral science research. The course will cover components, issues, and principles of research, and the various research designs and their applications. A major focus of the course will be on the nature and use of evaluation research.

COURSE OBJECTIVES

Students are expected to obtain working knowledge of 1) the research process, 2) the major research designs, and their appropriate application, and 3) the significant issues arising in social research, such as measurement. Additionally the student will be able to read, understand, critically evaluate, and utilize research reports as they relates to social sciences.

COURSE GRADING

1.	Journal Critique	100 points		680 – 612	A
2.	8 Weekly quizzes	10 points each		611 – 544	B
3.	Research paper	200 points		543 – 476	C
4.	Midterm	100 points		475 – 408	D
5.	Final	100 points		> 408	F
6.	Research article presentation	20 points			
7.	Operational definition of variables for research paper	10 points	8.	Introduction for research paper	10 points
9.	Hypothesis for research paper	10 points	10.	Trial results for research	10 points
11.	List of five (5) references for research paper in APA Format	10 points	12.	Abstract for research paper	10 points
13.	Literature review	10 points	14.	Method for research project	10 points

- Attendance:** Regular and prompt attendance is expected of all students. If a student is absent for any two-week period, notice must be given to the AUP office. The university will then inform the lending agency that the student has not been attending classes. The university will attempt to contact the student to let him/her know that he/she is losing a federal loan and inform the student that she/he is being dropped from the roster.
- Weekly quizzes** (8, 10 points each.) In order to receive credit for quizzes, student must be in attendance for class when quiz begins. There will be no make-up for quizzes.
- Research Paper:** each student will present, at all stages, his/her research proposal project. The classroom process will be interactive in so far as the students and the instructor will analyze and provide feedback for each student on his/her research proposal. During the last two- (2) class periods, students will present/discuss/submit their completed proposal.
- Papers/Assignments:** All papers and assignments must be type written. APA format must be used for research paper and each of its components.
- Late Papers/Assignments** for all reasons will lose 10% of the score for each day the paper/assignment is late. Papers/Assignments are due in the first half of the class period on the due date.

Tentative Course Schedule

WEEK		Reading
1	Introduction. The science of social science. The research process: the research problem; variables; relationships; hypotheses. Discuss Research Proposal Topic	Chapters 1-2, Appendix A, B, C
2	Ethics; Review of statistics; literature review. Gathering data, Studying behavior. Define Research Proposal Topic Research article presentation DUE	Chapters 3-4, 10, 11 Appendix A, B, C
3	Descriptive methods Experimental design Internal validity Problem analysis Bring in at least one article related to Research Proposal Topic of choice Operational definition of variables for research paper DUE Hypothesis for research paper DUE	Chapters 5-6, Appendix A, B, C
4	Conducting experiments. Selecting research participants Manipulating independent variable Measuring dependent variable Controls JOURNAL CRITIQUE DUE Discuss Research Proposal Topic List of five (5) references for research paper in APA Format DUE	Chapter 7 Appendix A, B, C
5	Research designs Writing reports Discuss Research Proposal Topic MIDTERM Literature review DUE Introduction for research paper DUE	Chapters 7, 8, 9, 10, 11, 12 Appendix A, B, C
6	Quasi-experimental and single-subject research designs UNDERSTANDING RESEARCH RESULTS: description and correlation Discuss Research Proposal Topic	Chapters 7, 8, 9, 10, 11 Appendix A, B, C
7	UNDERSTANDING RESEARCH RESULTS: statistical inference Discuss Research Proposal Topic Abstract for research paper DUE Method for research project DUE	Chapters 7, 8, 9, 10, 11 Appendix A, B, C
8	Discuss Research Proposal Topic EXAM	
9	Presentations PROPOSALS DUE	
10	Presentations PROPOSALS DUE	