

By

CHAMINADE UNIVERSITY OF HONOLULU  
PSY 316 QUANTITATIVE METHODS  
60 FALL 1998

Instructor: Marie J Burghardt, MSCP  
Time: Thursday, 4:45 - 8:55  
Text: Methods in Behavioral Research, 6<sup>th</sup> edition  
CONTACTS: PEARL HARBOR  
Paul C. Cozby  
Phone: 735-4751 (leave message)  
EMAIL: mjbnoto@hotmail.com

**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 as it relates to social sciences.

**COURSE GRADING**

1.	Journal Critique	100 points		
2.	9 Weekly quizzes	20 points each	704 – 880	A
3.	Research proposal	200 points	703 – 527	B
4.	Midterm	200 points	526 – 350	C
5.	Final	200 points	349 – 173	D
6.			> 173	F

- Attendance:** Regular and prompt attendance is expected of all students.
- Weekly quizzes** (9, 20 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 Proposal:** each student will present, at all stages, his/her research proposal. 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 late** for all reasons will lose 10% of the score for each day. Papers are due in the first half of the class period on the due date.

### Tentative Course Schedule

<b>WEEK</b>		<b>Reading</b>
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	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	Chapters 5-6, Appendix A, B, C
4	Conducting experiments. Selecting research participants Manipulating independent variable Measuring dependent variable Controls <b>JOURNAL CRITIQUE DUE</b> Discuss Research Proposal Topic	Chapter 7 Appendix A, B, C
5	Research designs Writing reports Discuss Research Proposal Topic <b>MIDTERM</b>	Chapters 7, 8, 9, 10, 11 12 Appendix A, B, C
6	Quasi-experimental and single-subject research designs <b>UNDERSTANDING RESEARCH RESULTS:</b> description and correlation Discuss Research Proposal Topic	Chapters 7, 8, 9, 10, 11 Appendix A, B, C
7	<b>UNDERSTANDING RESEARCH RESULTS:</b> statistical inference Discuss Research Proposal Topic	Chapters 7, 8, 9, 10, 11 Appendix A, B, C
8	Discuss Research Proposal Topic <b>EXAM</b>	
9	Presentations <b>PROPOSALS DUE</b>	
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