

SSE '03

CHAMINADE UNIVERSITY OF HONOLULU  
 PSY 316 QUANTITATIVE METHODS  
 SCHOFIELD BKS  
 SPRING 2003

Instructor:	Marie J Burghardt, MSCP	CONTACTS
Time:	Saturdays, 8:00 - 12:00	Phone: 621-1159 EMAIL: mjbnoto@hawaii.rr.com
Text:	Methods in Behavioral Research, 7th edition,	Paul C. Cozby

**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) ethical issues in research
- 2) the research process, and how it are related to the scientific method,
- 3) the major research designs, and their appropriate application,
- 4) the significant issues arising in social research, such as measurement.
- 5) Additionally the student will be able to read, understand, critically evaluate, and utilized research as it relates to social sciences.
- 6) The student will; design a research project,
- 7) Collect data for this project,
- 8) Analyze this data,
- 9) And produce a research paper in APA format.

**COURSE GRADING**

1.	Journal Critique	100 points
2.	9 Weekly quizzes	20 points each
3.	Research Paper	200 points
4.	Hypothesis theory and for research paper	10
5.	Operational definition of variables for your research	10
6.	List of 5 references for research paper in APA Format	10
7.	Literature review (Introduction for research paper)	10
8.	Trial results for research	10
9.	Abstract for research paper	10
10.	Method for research project	10
		550

495 – 550	A
439 – 494	B
383 – 438	C
327 – 382	D
> 327	F

**Attendance:** Regular and prompt attendance is expected of all students. This is a very experiential/interactive class. **Attendance is EXTREMELY IMPORTANT. Students missing (2) classes will lose one (1) letter grade. If more than two (2) classes are missed, a grade of no more than "C" will be issued.**

1. **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, except in extreme cases.
2. **Research Project:** each student will present, at all stages, his/her research 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 project. During the last two- (2) class periods, students will present/discuss/submit their completed proposal.
3. **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

WEEK		Reading
1	Introduction. The science of social science. The research process: the research problem; variables; relationships; hypotheses. Discuss Research Project Topic	Chapters 1-2, Appendix A, B, C
2	Ethics; Review of statistics; literature review. Gathering data, Studying behavior. Define Research Project 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 your Research Project Topic of choice <b>HYPOTHESIS FOR RESEARCH PAPER DUE</b> <b>OPERATIONAL DEFINITION OF VARIABLES FOR YOUR RESEARCH DUE</b>	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 Project Topic <b>LIST OF 5 REFERENCES FOR RESEARCH PAPER IN APA FORMAT DUE</b>	Chapter 7 Appendix A, B, C
5	Research designs Writing reports Discuss Research Project Topic <b>ABSTRACT FOR RESEARCH PAPER DUE</b>	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 Project Topic <b>METHOD FOR RESEARCH PROJECT DUE</b>	Chapters 7, 8, 9, 10, 11 Appendix A, B, C
7	UNDERSTANDING RESEARCH RESULTS: statistical inference Discuss Research Project Topic <b>TRIAL RESULTS FOR RESEARCH DUE</b>	Chapters 7, 8, 9, 10, 11 Appendix A, B, C
8	Discuss Research Project Topic	
9	Presentations <b>PROJECT PAPERS DUE</b>	
10	Presentations <b>PROJECT PAPERS DUE</b>	