

Dr. Gram

Fall 20041

EXPERIMENTAL PSYCHOLOGY

PSY2001

Class Meets: MWF 11:00 - 11:50

Professor: Dr. Peter Gram

Section: 575 Room: 1466

Office: 1487

Phone: 2545

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Dept. Head: Dr. June Linke

PREREQUISITE/COREQUISITE

Students enrolled in PSY2001 should have finished PSY 2012 (or its equivalent) and STA2023 or be enrolled in them.

COURSE OBJECTIVES

This course will introduce students to the philosophy and methods of scientific research in psychology. Basic assumptions and principles of scientific observation and research design will be discussed. Students will learn techniques specific to psychological research. Ethical issues relevant to psychological research will also be addressed. In addition, students will interpret and evaluate research and communicate their own research findings in APA format.

REQUIRED TEXT:

Solso, R. & Johnson, H.H. Experimental Psychology: A case approach (6th ed.). New York: Addison Wesley Longman. (The SPSS module is optional)

RECOMMENDED TEXTS

American Psychological Association (1994). Publication Manual of the American Psychological Association (3rd ed.). Washington, DC: Author.

A Statistics Cookbook such as

Bruning, J.L. & Kintz, B.L. Computational handbook of statistics . New York: Addison Wesley Longman

or

Gallo, P. & Linton, M. The practical statistician: Simplified handbook of statistics. Pacific Grove, CA: Brooks/Cole.

GRADING:

There will be three tests, two design critiques, article reviews and four experiments (three minor and one major). Tests will consist of multiple choice questions based on the material from the lectures, discussions and readings. 90% will be an A, 80% a B, 70% a C and 60% a D.

TESTS:

1,-2, 3	90
4, 5, 9,	90
7, 10	90

DESIGN CRITIQUES:

Set 1	20
Set 2	20

LIBRARY HUNT 20

EXPERIMENTS:

Mirror Tracing	30
Stop Sign	40
Learning	50
Your Large Experiment	270
Write up of Large Experiment	200

ANALYSIS OF EXPERIMENTS

Your score on your chapter presentations: 60

SPSS modules 50

PARTICIPATION: 60

TOTAL: 1000 pts

FLEXIBILITY: It is the intention of the instructor to accomplish the objectives specified in the course syllabus.

However, circumstances may arise which prohibit the fulfilling of this endeavor. Therefore, this syllabus is subject to change. When possible, you will be notified of any change in advance of its occurrence.

AMERICANS WITH DISABILITIES ACT: Any students whose disabilities fall within the ADA should in form the instructor at the beginning of the term of any special need or equipment necessary to accomplish the requirements for this course.

DISABILITY SUPPORT SERVICES: The "Disability Support Services Handbook" is available to all students.

Students who have or may be dealing with a disability or learning difficulty should notify the instructor and contact PJC Disability Support Services/ADA, Building 6, Room 603. Telephone: 850-484-1637.

PSY2001

Schedule of Readings/Discussions

WEEK ENDING:	TOPIC	ASSIGNED READINGS/PROJECT		
8/29	INTRODUCTION / video	None		
9/5	TYPES OF KNOWLEDGE	Chapter 1	Stop Sign Prep	Chap. 11
9/12	NON-PARAMETRICS	Stop Sign Experiment		Chap. 12
9/19	ETHICS & OBSERVATIONS	Chapter 2 (SPSS 1)		Chap. 13
9/26	BASIC EXPERIMENTAL DESIGNS	Chapter 3/ Prep Mirror		Chap. 14
10/3	EXPERIMENT	Mirror Trace Experiment		Chap. 15
				test 1
10/10	LIBRARY	Hunt	(SPSS 2)	Chap. 16
10/17	LITERATURE	Chapter 9		Chap. 17
10/24	FACTORIAL DESIGNS	Learning Exp. Chap. 3		Chap. 18
10/31	CONTROL	Chapter 4		Chap. 19
11/7	DESIGN CRITIQUES	Chapter 5 (SPSS 3)		Chap. 20
				test 2
11/14	SUBJECT VARIABLES	Chapter 7		Chap. 21
11/21	DESIGN CRITIQUES	Chapter 6 (SPSS 4)		Chap. 22
11/28		Chapter 8		Chap. 23
12/5	WRITING RESEARCH	Chapter 10		Chap. 24
				test 3
12/19	POSTER PRESENTATIONS			