8-30-00
SRO

Principles of Learning Lab – DK 1005
PSYC 304; sections 201 and 202
Fall 2000

Class:	R 8:30 – 10:20 a.m. **OR** R 11:00 – 12:20 p.m.		
Instructor:	Lorraine Krause	**Email:**	lkrause@gmu.edu
Office:	DK 2027	**Phone:**	703-993-1358
Office Hours:	Tuesday 11:00 – 12:00		

Text:

Alloway, T., Wilson, G., Graham, J., & Krames L. (2000). Sniffy, the Virtual Rat. Belmont, CA: Wadsworth.

Optional but recommended: American Psychological Association (1995). Publication Manual of the American Psychological Association (4th ed.) Washington, DC.

Objectives: This laboratory will focus on the application of learning principles to experimental design. Students will learn how to design animal research projects and formulate an APA style paper. Students will be working with live laboratory animals in addition to computer-generated subjects. This course fulfills in part the writing intensive requirements for the psychology major. The writing assignments in this laboratory are as follows: four article summaries of articles found in professional journals and a complete APA style research paper. Parts of the paper to be submitted in three portions with feedback provided. A final complete paper will be submitted at the end of the semester. These assignments are in conjunction with the two, 2-3 page papers required for the lecture portion of this course.

Grading: Students will have the opportunity to earn 120 points in this lab. These points will be combined with points earned in lecture to attain a final course grade (possible 400 points).

4 article summaries (5 points each)	20
3 Quizzes (10 points each)	30
5 In class Data/Worksheets	25
Methods Draft	8
Introduction Draft	12
Abstract Draft	5
Final Paper (8 – 15 pages)	20
Total	120

Quizzes: Quiz content will be based upon any material covered in lab since previous quiz. Quizzes will be administered at the beginning of each lab period. Students must attend the class to take the quiz; no make up quizzes will be provided.
In class worksheets: These will be used to chart the day's lab activities. Only those who attend class are able to gain data/worksheet points.

Honor System: The Honor Code of George Mason University applies to this laboratory and will be strictly enforced.
Disability Accommodation: If you are a student with a disability and require special accommodation, please see me.

Tentative Schedule:

Date	Topic	Assignment
8/31	Introduction. Lab Overview. Research Ethics	
9/7	APA Review. IV & DV Identification.	Worksheet
9/14	Sniffy Introduction Exercise 1 – 7	Article Summary Chap. 1-3
9/21	Sniffy – habituation Lab Experiment – habituation	Quiz #1
9/28	Sniffy – Classical Conditioning Exercises 20 - 24	Article Summary Chap. 6 & 7 Worksheet
10/5	Sniffy – Classical Conditioning Exercises 25 – 26 Pilot Test of MWM experiment	Article Summary Chap. 8 Worksheet
10/12	Sniffy – Classical Conditioning Exercise 27 – 28 MWM Experiment - first run	Article Summary
10/19	Film: Skinner MWM Experiment – second run	Quiz # 2 Methods Draft
10/26	Sniffy – Schedules of Reinforcement Exercise 8 – 13	Worksheet Chap. 4
11/2	Morris Water Maze – Data Amylases Discussion	Intro Draft
11/9	Review for 11/10 Exam	
11/16	Lab - Novel Object Experiment	Worksheet
		Abstract Draft
11/30	Sniffy – Exercises 31 – 32	Quiz # 3 Chap. 10
12/7	Sniffy – Exercises 33 – 37	Chap. 11 MWM Paper