

Psychology of Learning Lab (DK 1005)
PSYC 304; sections 201 and 202
Fall 1999

Instructor: Brian Griepentrog **Office Hours:** W 4:00-5:00 p.m.
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Text:

Domjan, M. (1998). The Principles of Learning and Behavior. (4th ed.) Pacific Grove: Brooks/Cole.

American Psychological Association (1995). Publication Manual of the American Psychological Association (4th ed.) Washington, DC: (Optional - can be found on reserve at the Johnson center library)

Objectives:

This laboratory will focus on the application of learning principles to personal experiences, real-world scenarios, and experimental design. Students are expected to participate in lab experiments as well as lead and contribute to class discussions. Remember, this is a lab, not a lecture.

Grading:

Students 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 pts).

Lab points will be broken down as follows:

- 60 **Research Paper Proposal:** Students are expected to propose a unique research design, and relay their idea with appropriate APA formatted writing. The completed proposal will be due on November 30th; however, segments of the proposal will be due periodically throughout the semester. Segment points are distributed as follows: hypothesis draft 5; hypothesis final 10; intro and methods draft 10; intro and methods final 20; complete paper 15. Drafts are assigned to assist the student. If no effort is shown on the draft, instructor will have no starting point for comment and critique. This will undoubtedly result in a finished product not meeting the expectations of the instructor. Put forth effort; this paper is worth half your lab grade.
- 24 **Quizzes:** Three quizzes, worth eight points each, will be assigned according to schedule. Quiz content will be based upon any material covered in lab since previous quiz. Students must attend the class to take the quiz; no make up quizzes will be provided.
- 20 **In Class Datasheets:** There will be four laboratory experiments, and each experiment will be accompanied by a datasheet due at the end of lab. The datasheet will be used to chart the day's activities, and answer any questions posed by the instructor. In group situations, one datasheet per group will suffice.* Once again, only those who attend class are able to gain datasheet points.

*The instructor will use his discretion in awarding points to those students suspected of group loafing.

- 16 **In Class Worksheets:** Four worksheets will be assigned to provoke thought and aid discussion. Worksheets are due at the end of scheduled labs, and hold the same restrictions as datasheets.

	Topic & Activity	Due
8/31	Introductions, review syllabus, basic research design	
9/7	Hypothesis formation, IV & DV identification, Research ethics	In class worksheet
9/14	Library tour/orientation	Quiz #1
9/21	Experiment: Classical conditioning	In class datasheet
9/28	Classical conditioning applied (advertising), develop paper hypothesis	In class worksheet
10/5	Individual help on hypothesis, Review APA style	Proposal hypothesis (draft)
10/19	Experiment: Operant conditioning	In class datasheet Hypothesis (Final draft)
10/26	Film: Buhrus Fredrick Skinner, Intro and method section formation	Quiz #2
11/2	Film: Behavior modification in autistic children	Intro and method section (draft)
11/9	Experiment: reinforcement manipulation	In class datasheet
11/16	Reinforcement vs. Punishment, applications on child rearing and education	In class worksheet Intro and methods section (Final draft)
11/23	Training experiment: elements of learning	Quiz #3 In class datasheet
11/30	States of consciousness	Complete proposal due
12/7	Language research, applications of class discussion	In class worksheet