Psychology 433
Learning & Memory

Spring, 1991
Hintzman

Text: J. P. Houston, *Fundamentals of Learning and Memory* (4th ed)

Tentative Schedule:

Week	Readings	Comments
Mar. 27-29	Ch. 1	
Apr. 1-5	Ch. 2,3	
Apr. 8-12	Ch. 4	
Apr. 15-19	Ch. 5	
Apr. 22-26	Ch. 6	Paper # 1 due, Mon. Apr. 22
Apr. 29-May 1	Ch. 8	Mid-term Exam, Mon. May 1
May 6-10	Ch. 9	
May 13-17	Ch. 10	
May 20-24	Ch. 11	Paper # 2 due, Fri. May 24
May 27-31	Ch. 13	No class Monday
Exam Week		Final Exam, 10:15, Th. June 6

Papers: In each paper, you are to propose an experiment that is related in some way to the reading. The paper should contain: (1) An introduction, spelling out the hypothesis or hypostheses to be tested. Please refer to a specific part of the textbook, by topic and page number, and explain how the hypothesis was suggested by the reading. The topic may come from any part of the book (including Ch. 7 or 12, which are not assigned). The proposed experiment should be an extension of something covered by the book--not just a replication of a study that Houston describes. (2) A description of the design of the experiment, including a concise account of the manipulations defining each experimental condition, and of how the design relates to your hypothesis. In some cases, examples of materials may be helpful. It should be clear how behavior is to be measured. (3) Anticipated results. Describe different possible outcomes and indicate what conclusion, if any, could be drawn from each result regarding the experimental hypothesis or hypotheses.

The paper should be about 6-8 pages long. You do not have to review the literature on the topic, other than what the textbook says. The best way to approach this assignment is to do the reading early, always trying to think of experimental ideas as you read. Jot your ideas down, and then go back and pick the idea that you think is best. Your paper should be written for clear and effective communication. Do not turn in a rough draft.

Graduate Students (Psych 533): See me for an alternative paper assignment.

Exams: The mid-term and final will both be multiple-choice exams, based about 50% on the text and 50% on the lectures.

Grading: Your grade will be based approximately 45% on the final, 25% on the mid-term, and 15% on each of the papers.

Course: Psy 435/Cognition Spring 1991
Instructor: John P. Vicedomini
Meets: MWF 11:30-12:20, Straub 142

DATE		LECTURE TOPIC	READING
3/27		Introduction	Ch. 1
3/29		A brief history of cognitive psychology	Ch. 1
4/ 1		Methods of cognitive psychology	Ch. 1
4/ 3		Nervous system components	Ch. 2
4/ 5		Localization of function	Ch. 2
4/ 8		Information coding: Visual system	Ch. 2
4/10		Sensory memory and information processing	Ch. 3
4/12		Pattern and object recognition	Ch. 3
4/15		Attention, context and pattern recognition	Ch. 3
4/17	****	**TEST ONE/CHAPTERS 1, 2, 3 ******	
4/19		Memory: Two-concept theories	Ch. 6
4/22		Working and long-term memory	Ch. 6
4/24		Activation, interference and decay	Ch. 6
4/26		Memory: Network representation	Ch. 7
4/29		Elaboration and processing	Ch. 7
5/ 1		Organization and recall	Ch. 7
5/ 3		Problem solving	Ch. 8
5/ 6		Problem solving methods	Ch. 8
5/10	****	**TEST TWO/CHAPTERS 6, 7, 8 ******	
5/13		Language structure	Ch. 11
5/15		Relationship between language and thought	Ch. 11
5/17		Uniqueness of language	Ch. 11
5/20		Comprehension of Language	Ch. 12
5/22		Comprehension of Language	Ch. 12
5/24		Individual differences in cognition	Ch. 12
5/27		**NO CLASS: MEMORIAL DAY**	
5/29		Individual differences and information processing	Ch. 14
5/31		Intelligence and localization of function	Ch. 14
6/ 7	****	**TEST THREE/CHAPTERS 11, 12, 14 ******	

Each test will contain 50 multiple choice questions and is not cumulative. Final letter grades will be determined by test averages in conjunction with a performance based scaling system.