

Psychology 110: Fundamentals of Learning

GENERAL INFORMATION

DR. THOMAS R. MINOR

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Office Hours: TTH (10-11) -- Appointments may be arranged at other times.

ENRICHMENT SECTION TEACHING ASSOCIATES:

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CLASS TEACHING ASSOCIATE:

MELISSA FLESHER. Office: 8564 Franz Hall; Office Hours: Th 9:30-11:30
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TEXT: Michael Domjan (2010). *The principles of learning and behavior (sixth edition)* New York: Wadsworth

Go Green: *Save Money and Paper.* An ecopy of the book can be purchased at www.ichapters.com for \$76.99 (as opposed to the regular price of \$138.00)

WEEKLY BOOK REVIEW SESSIONS (Optional)

Purpose: Review sessions will cover important aspects of reading assignments, allow students to ask questions concerning material covered in class, and provide an organized review of important material prior to examinations.

*****WARNING***.** This class is ***IMPACTED!*** If you are going to drop the course, you must do so by Friday of the second week of classes. Requests for a grade of *Incomplete* in the course will be granted only with prior consent of the professor and a written medical excuse.

MULTIPLE CHOICE EXAMINATIONS:

Multiple choice, definitions. Approximately 30% from the text and 70% from lectures.

Midterm: Tuesday, November 3rd in class
Final: Thursday, December 10th, 8:30 - 10 am

ENRICHMENT SECTIONS

Attendance in these sections is mandatory. Attendance, your contribution to discussions, and a paper will influence your grade. Sections are not held on the week of November 23rd - 27th (Thanksgiving week) or on week 10.

GRADING:

Enrichment Sections:	20%
Midterm:	40%
Final:	40%

READING ASSIGNMENTS

Michael Domjan (2010). *The principles of learning and behavior (sixth edition)* New York: Wadsworth

WEEK ASSIGNMENT

1. Chpt 1 & 2
2. Chpt 3
3. Chpt 4
4. Chpt 5 & 6
5. Midterm (No Assignment)
6. Chpt 7 & 8
7. Chpt 9 & 10
8. Chpt 11
9. Chpt 12
10. No Assignment

LECTURE OUTLINE

I. FUNDAMENTAL CONCEPTS

- Week 1-2
1. Introduction to Learning
 2. Evolution of Symbolic Reasoning
 3. Evolution, Adaptation, & Learning
 4. Evolution, Adaptation, & Learning
 5. Evolution, Adaptation, & Learning

II. EVENT PRESENTATION: HABITUATION AND SENSITIZATION

- Week 3-6.
- A. Basic Observations
7. Basic Observations
 8. What is learned
 9. Emotion and arousal
 10. Dual-process theory and applications

III. MULTIPLE STIMULUS PRESENTATIONS: PAVLOVIAN CONDITIONING

- Week 4
- A. Basic Operations and Constraints on Learning
11. Excitatory conditioning and extinction
 12. Inhibitory conditioning and control procedures
 13. Biological Constraints
- Week 5
- B. Cognitive Processes
14. Attention, surprise, and blocking
 15. Memory and conditioning

***** MIDTERM MULTIPLE-CHOICE EXAM *****

- Week 6
- C. Emotional Conditioning
16. C.E.R. procedures
- D. Behavioral Processes
17. Autoshaping and misbehavior

IV. RESPONSE-DEPENDENT STIMULUS PRESENTATIONS: INSTRUMENTAL LEARNING

- A. Basic Issues

LECTURE OUTLINE (continued)

Week 7 18. Law of Effect and instrumental contingencies
 19. Role of reinforcement
 20. Stimulus control

 B. Cognitive Processes
Week 8 21. What is learned: Early vs late training
 C. Emotional Conditioning
 22. Conditioning of autonomic responses
 D. Behavioral Processes
 23. Response induction and selection

V. APPLICATION OF LEARNING PRINCIPLES

 A. Aversive learning
Week 9 24. Punishment
 25. Avoidance Learning
 26. Avoidance Learning

Week 10 27. Avoidance learning and the treatment of phobias
 28. Learned helplessness and depression
 29. Learned helplessness and depression

***** FINAL MULTIPLE CHOICE EXAM *****