OUTLINE
Psychology of Learning, Psy 333

Course Syllabus

CHAPTER 1 -- Introduction
A. Does behavior follow laws?
B. How should we discover laws?
1. Authority
2. Introspection
3. Experimental Method
C. Basic forms of learning.
1. Habituation
2. Sensitization

CHAPTER 2 -- Foundations of Classical Conditioning
A. The Reflex
B. Mental Associations
1. British Associationists
2. Laws of Association
C. Cortical Associations
D. Classical Conditioning
1. Pavlov
2. Typical Experiment
   a. Unconditioned Stimulus (US)
   b. Unconditioned Response (UR)
   c. Conditioned Stimulus (CS)
   d. Conditioned Response (CR)
3. Extinction
4. Other Phenomena
   a. Second-Order Conditioning
   b. Counterconditioning
   c. Generalization
   d. Discrimination
5. Control Groups
6. What behaviors can be conditioned?
   a. Autonomic Responses
   b. Skeletal Responses
7. Conditioned Motivation
   a. Hunger
   b. Fear
   c. Sexual Arousal
8. Universal Process
   a. Sensory Preconditioning
   b. Contextual Conditioning

CHAPTER 3 -- Principles and Applications
A. Laws of Association
B. Contingency
C. Taste Aversion / Preparedness
D. Blocking
E. Applications
   1. Systematic Desensitization
   2. Aversion Therapy
   3. Behavior Therapy

CHAPTER 4 -- Theories
A. Pavlov
B. Rescorla-Wagner
C. What is Learned?
D. Conditioning in Humans

CHAPTER 5 -- Operant Conditioning
A. Thorndike
B. Basic Procedures
C. Schedules of Reinforcement
D. The Reinforcer
E. Delay of Reinforcement
F. Motivation
G. Stimulus Control
H. Shaping

CHAPTER 6 -- Applications of Reinforcement
A. Behavior Modification
B. Token Economies
C. Maintaining Behavior
D. Harmful Effects
E. Modeling
F. Self control

CHAPTER 7 -- Punishment & Extinction
A. Punishment
B. Side Effects of Punishment
C. Children's Misbehavior
D. Extinction

CHAPTER 8 -- What is Learned?
A. S-R Theory
B. Cognitive Theories
C. Intervening Variables
D. Complex Learning
   1. Space
   2. Time
   3. Number

CHAPTER 9 -- Memory & Attention
A. Information Processing Model
B. Coding, Storage & Retrieval
C. Selective Attention
D. Transposition & Peak Shift
E. Configural Learning
F. Retrieval

CHAPTER 10 -- Avoidance & Matching
A. Avoidance
B. Miller-Mower's 2 Process Theory
C. Bolle's SSDRs
D. Herrnstein's Matching Law

CHAPTER 11 -- EVOLUTION & LEARNING
A. General Process Theory
B. Ethology & Imprinting
C. Taste Aversion Learning
D. Misbehavior