

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