
- Introduction to the study of sensory and perceptual processes. Chapter 1
- Introduction to the Visual System Receptors and Neural Processing. Chapter 2
- The Lateral Geniculate Nucleus and Striate Cortex—anatomy, physiology, and perceptual processing of the central visual system. Chapter 3
- Higher Level Visual Processing—parallel processing streams and specialized neural processing of visual stimuli. Chapter 4 (NOT pg. 130-137).
- Psychophysics—the experimental methods used to study the relationship between sensations and physical stimuli. Chapter 1 pg. 11-18.
- Perceiving Objects—extraction and recognition of features and objects in the visual environment. Chapter 5 (NOT pg. 165-168)
- Perceiving Colour—physiological and psychophysical studies. Chapter 6

- **Mid-term Test Friday October 26 7:00-9:00pm 25% of final grade**

- Perceiving Depth and Size—various cues to depth and the underlying physiological mechanisms. Chapter 7
- Perceiving Movement—eye movements, vestibular system; the detection and discrimination of objects moving in the environment. Chapter 8
- The Cutaneous Senses—the receptors, neural pathways, thresholds, and adaptation of the sensations of touch. Chapter 13
- The Chemical Senses—the anatomy, physiology, and psychophysics of the sensations of taste and smell. Chapter 14
• Auditory system -- sound; structure of the ear and arrangement of the central auditory pathways. Chapter 10
• Perception of Sound -- the detection and subjective dimensions of sounds. Chapter 11
• Speech Perception-- speech stimulus and perception. Chapter 12
• Attention -- the various methods used to select among the numerous stimuli available in our environment. Chapter 4 pg. 130-137; Chapter 5 pg. 165-168.
• Perceptual constancy -- objects in the environment have a relatively constant set of properties, such as size, shape, colour. However, a number of factors can influence our perception of those properties. Chapter 6 pg 206-215; Chapter 7 pg 25-260.

Final Exam -- All Course Material, 40% of final grade

In-Class Laboratories -- Write-up one of the two in-class labs (approximately 5 typed double-spaced pages), 20% of final grade.

In-Class lab 1 -- September 26 - due October 10

In-Class lab 2 -- November 7 - due November 21

Definition of Terms -- Write-up 2 definitions (2 typed double-spaced pages), each one from a different set of terms, 7.5% each, total 15% of final grade. Definitions due:

Definition 1 -- September 26

Definition 2 -- October 17

Definition 3 -- November 14

Evaluations

• Lab Report 20%
• Definitions 15%
• Term Test 25%
• Final Exam 40%

○ 90-100 A+
○ 85-89 A
○ 80-84 A-
○ 77-79 B+
○ 73-76 B
○ 70-72 B-
○ 67-69 C+
○ 63-66 C
○ 60-62 C-
○ 57-59 D+
○ 53-56 D
○ 50-52 D-
Final marks may be adjusted up or down, on an individual basis, in light of special circumstances and/or the student's overall performance in the course.

Lab reports or Definitions handed in late will lose one letter grade for each day past the due date.