II. COURSE DESCRIPTION:
A study of the structure and functions of the sensory systems, with particular attention to perceptual processes influenced and affected by physical factors in the environment and by psychological aspects of the perceiving organism.

III. REQUIRED TEXTBOOK:

IV. COURSE OBJECTIVES:
The successful student is expected to master the following material:

1. Be able to discuss the various philosophical approaches to the study of sensation and perception (e.g. the Structuralist approach, Gestalt approach, ecological approach, etc.).
2. Be able to describe the methods used in psychophysic.
3. Be able to describe the anatomy of the various sensory systems (e.g. vision, audition, olfactory, gustatory, tactile, etc.).
4. Be able to explain various visual perceptual processes (e.g. depth perception, motion perception, size, color, contrast constancies, form perception, etc.).
5. Be able to explain auditory perceptual processes (e.g. pitch, locating sound, speech, music, etc.).
6. Be able to discuss the current research and knowledge on olfaction.
7. Be able to discuss the current research and knowledge on tactile sensations.
8. Be able to discuss the ontogeny of the sensory systems.

V. STUDENT EVALUATION AND GRADING:
1. There will be four (4) exams each worth fifty (50) points. Consult the syllabus for dates of these exams.

2. This class meets three (3) hours a week, you will need nine (9) hours a week to study for this class. The rule of thumb is that for each one hour in class you spend three (3) hours outside of class studying. If you put in a couple of hours per week studying for this class you are not likely to do

3. Two (2) reaction papers are required. Each reaction paper is worth 25 points. These reaction papers will be a 3 - 5 page paper in response to a presentation given by one of the Psi Chi Scholarly Lecturer or other scholarly campus activity that has been approved by the instructor. The reaction paper must be typed using MS Word, in APA format and
submitted electronically. A handout will be provide for writing the reaction paper.

4. There are NO make-ups for missed exams. The final grade will be based on three (3) of the four (4) best exams and term paper. Therefore, you are allowed to miss one (1) exam or drop your lowest score. **ALL STUDENTS MUST TAKE THE FINAL EXAM.**

5. Missing two (2) exams is automatic failure.

6. The total points that can be earned in this class is 200. Final grades will be determined according to the following schedule:

   A ≥ 92% of highest total points earned
   B ≥ 83% and < 91% of highest total points earned
   C ≥ 73% and < 82% of highest total points earned
   D ≥ 64% and < 72% of highest total points earned
   F < 63% of highest total points earned

VI. COURSE OUTLINE:

INTRODUCTION TO PERCEPTION

Jan. 6 Th. What are Sensations & Perceptions? Ch. 1, pp. 1-14

Jan. 11 T. Psychophysics Ch. 2, pp. 15-49

NEUROLOGICAL BASES OF PERCEPTION

Jan. 13 Th. The Nervous System Appendix, pp. 551-558

VISION

Jan. 18 T. Visual System Ch. 3, pp. 50-84

Jan. 20 Th.

COLOR

Jan. 25 T. What is Color? Ch. 5, pp. 120-132

Jan. 27 Th. Physiological Research Ch. 5, pp. 132-143

Feb. 1 T. Color Deficiency Ch. 5, pp. 143-150

BRIGHTNESS & CONTRAST

Feb. 3 Th. Brightness Ch. 4, pp. 85-95

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SENSATION & PERCEPTION

Feb.  8 T.    TEST I
Feb.  10 Th.  Visual Acuity
Feb.  15 T.  Contrast

OBJECTS & FORMS
Feb.  17 Th.  Perceptual Processing
Feb.  22 T.  Objects

DEPTH PERCEPTION
Feb.  24 Th.  Depth

Mar.  1 T.    SPRING BREAK
Mar.  3 Th.    SPRING BREAK
Mar.  8 T.  Perceiving Size

MOTION
Mar. 10 Th.  Physiology of Motion

LAST DAY TO WITHDRAW FROM CLASSES
Mar.  15 T.  Motion Perception

SOUND
Mar.  17 Th.  Stimulus
Mar.  22 T.  Anatomy

Mar.  24 Th.  TEST II
Mar.  29 T.  Auditory Cortex

HEARING
Mar.  31 Th.  Sound Detection
Apr.  5 T.  Hearing

SPEECH PERCEPTION
Apr.  7 Th.  Speech

Ch.  4, pp.  95 - 109
Ch.  4, pp.  109 - 118
Ch. 10, pp.  284 - 295
Ch. 10, pp.  295 - 321
Ch.  9, pp.  251 - 282
Ch. 11, pp.  322 - 345
Ch. 14, pp.  403 - 411
Ch. 14, pp.  411 - 433
Ch.  6, pp.  151 - 156
Ch.  6, pp.  156 - 171
Ch.  6, pp.  171 - 177
Ch.  7, pp.  178 - 194
Ch.  7, pp.  194 - 208
Ch. 12, pp.  357 - 376

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VII. TEACHING STRATEGIES:
This course is taught primarily by lecture and discussion with a library research component.

VIII. BIBLIOGRAPHY:


