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 psychophysics.
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. 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. Sensation and Perception is a very challenging course and if you put in a couple of hours per week studying for this class you are not likely to do well in the course.

2. There will be four (4) exams each worth fifty (50) points. Consult the syllabus for dates of these exams. There will also be weekly quizzes each worth ten (10) points. All quizzes and exams will be available in Blackboard. Consult the syllabus for dates of these exams.

3. Two (2) reaction papers are required. Each reaction paper is worth 25 points. These reaction papers will be a five (5) page paper in response to an article provided. The reaction paper must by typed using MS Word, in APA format and submitted electronically through Turnitin.com. See Course Information for an example of a reaction paper, how to submit your paper to Turnitin.com and the University’s policy on plagiarism.

4. There will be exercises that will be completed through Blackboard. These exercises may be done in lieu of in class instruction.

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

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

7. The total points that can be earned in this class is 350. Final grades will be determined according to the following schedule:

   - A ≥ 90% of highest total points earned
   - B ≥ 80% and < 90% of highest total points earned
   - C ≥ 70% and < 80% of highest total points earned
   - D ≥ 60% and < 70% of highest total points earned
   - F < 60% of highest total points earned

VI. COURSE OUTLINE:

INTRODUCTION TO PERCEPTION

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Topic</th>
<th>Pages</th>
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<tbody>
<tr>
<td>Aug. 21</td>
<td>Th.</td>
<td>What are Sensations &amp; Perceptions?</td>
<td>Ch. 1, pp. 3 - 9</td>
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<td>Aug. 26</td>
<td>T.</td>
<td>Psychophysics</td>
<td>Ch. 1, pp. 9 - 17</td>
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<td>Psychophysics (Ryan)</td>
<td>Module 5, pp. 105-130</td>
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<td></td>
<td>NEUROLOGICAL BASES OF PERCEPTION</td>
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<td>Aug. 28</td>
<td>Th.</td>
<td>The Nervous System</td>
<td>Ch. 1, pp. 17 - 25</td>
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<td>Physiological Bases of Perception (Ryan)</td>
<td>Module 1, pp. 11-32</td>
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<td>Sept. 2</td>
<td>T</td>
<td>Visual System</td>
<td>Ch. 2, pp. 26 - 45</td>
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<td>Sept. 4</td>
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<td>Brightness</td>
<td>Ch. 3, pp. 46 - 58</td>
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<td>Brightness (Ryan)</td>
<td>Module 4, pp. 94-104</td>
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<td>Sept. 9</td>
<td>T</td>
<td>Visual Acuity</td>
<td>Ch. 3, pp. 58 - 73</td>
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<td>Sept. 11</td>
<td>Th</td>
<td>What is Color?</td>
<td>Ch. 5, pp. 98 - 112</td>
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<td>Perceiving Color (Ryan)</td>
<td>Module 3 pp. 57-79</td>
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<td>Sept. 16</td>
<td>T</td>
<td>Physiological Research</td>
<td>Ch. 5, pp. 112 - 125</td>
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<td>Sept. 18</td>
<td>Th</td>
<td>TEST I</td>
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<td>Sept. 23</td>
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<td>Color Deficiency</td>
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<td>Sept. 25</td>
<td>Th</td>
<td>Contrast</td>
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<td>Sept. 30</td>
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<td>Perceptual Processing</td>
<td>Ch. 4, pp. 76 - 88</td>
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<td>Form &amp; Patterns (Ryan)</td>
<td>Module 2, pp. 33-44</td>
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<td>Oct. 2</td>
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<td>Objects</td>
<td>Ch. 4, pp. 88 - 97</td>
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<td>Oct. 7</td>
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<td>Depth</td>
<td>Ch. 6, pp. 126 - 153</td>
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<td>Module 4, pp. 79-93</td>
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<td>Ch. 7, pp. 154 - 175</td>
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<td>Module 2, pp. 44-56</td>
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<td>Oct. 21</td>
<td>T</td>
<td>Attention</td>
<td>Ch. 8, pp. 176 - 203</td>
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<td>Oct. 23</td>
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<td>Stimulus</td>
<td>Ch. 9, pp. 204 - 211</td>
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</table>
Oct.  28 T.  Anatomy  

Oct.  30 Th.  TEST II  
LAST WEEK TO WITHDRAW FROM CLASSES

Nov.  4 T.  Auditory Cortex  
               HEARING

Nov.  6 Th.  Sound Detection  

Nov.  11 T.  Hearing  
               SPEECH PERCEPTION

Nov.  13 Th.  Speech  

Nov.  18 T.  Music  

Nov.  20 Th.  TEST III

Nov.  25 T.  Touch  
               TOUCH

Nov.  27 Th.  HOLIDAY

Dec.  2 T.  Review  
               SMELL

Dec.  4 Th.  Olfaction  
               TASTE

Dec.  9 T.  Food  

Dec.  11 Th.  Final Exam

VII.  TEACHING STRATEGIES:

This course is taught primarily by lecture and discussion with a library research component.

VIII.  BIBLIOGRAPHY:


