**PSYC4120**

Daily l:00-3:15pm, PSY 120

Off Hrs: M-W 3:20-4:30pm, or by apt.

**Course Objectives:**

**SENSATION & PERCEPTION**

**Course Outline Summer Short Session I, 2014**

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By the end of this course students should:

* Have gained a general understanding and appreciation of their sensory/perceptual systems.
* Have an understanding of the general anatomy, processes, and functions of the different sensory/perceptual systems.
* Be able to engage in meaningful discussions of current approaches to sensation and perception.
* Understand the role of theories and models in the study of sensation and perception.
* Understand how models are used to generate new psychological knowledge.
* Understand how experimental data relate to theories and models of sensory/perceptual processes.

**Text:** *Perception* (5th edition), R. Blalce & R. Sekuler

**Class Notes:** Download file PSYC4120 ClassNotes.pdffrom course ELC site.

**Supplemental Readings** (SR): Two required readings for class (see below) are available from our ELC site (note each has its own password).

**Grading Policy:** Your final grade is determined from a combination of: **(1)** Four Tests (50%) using your three **(3)**

best scores, **(2)** Final Exam (35%), **(3)** Attendance (10%), and, **(4)** Five Talce-home assignments (5%, be sure to read file "Instructions for All Take-Home Assignments").

*Exempting Final Exam:* Students with less than or equal to 2 unexcused absences and a 'B' average (80%) or better over all 4 tests may exempt out of the Final Exam and substitute their 4 test average for their Final Exam grade. See ELC site for details of procedure for exempting final exam and final exam test policy.

**Attendance Policy:** There are only 19 days of class. Your first two (2) unexcused absences (i.e., those without an authorized doctor's excuse, and not including the drop/add period ending 6/8/15) carry no penalty. Your third unexcused absence results in 5% for attendance. Your fourth unexcused absence results in 0% for attendance.

**Testing Policy:** All tests will be taken in room 102. All Tests and the Final Exam are 50 question multiple-choice tests based on information covered in lectures, the text, class notes, and supplemental readings. No make-up tests or exan1s are allowed without an authorized doctor's excuse. All academic work must meet the standards contained in *"A Culture of Honesty."* Students are responsible for informing themselves about those standards before performing any academic work.

**Electronic Devices Policy:** The use of laptop computers or handheld electronic devices during class time is not allowed. All handheld devices are to be silenced (i.e., no ringing or vibrating, etc.) and not used during class. A violation includes the instructor hearing or seeing you use your device during lecture. Each violation of the Electronic Devices Policy will result in a 1 point reduction in the final grade for the course. For example, your final grade calculates out to be a 90 (A) but you violated the Electronic Devices Policy once resulting in a final grade of 89 (A-).

***The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.***

**Date**

WEEK#l

**Topics Readings**

6/4-6/5

WEEK#2

6/8

6/8

6/9

Introduction

Psychophysics & Signal Detection Theory

Neurophysiology & Perception Eye, Retina, & Retinal Function *Drop/Add Over*

RFs, Lateral Antagonism

Ch. **1**

Appendix, Class Notes

SR#!, Class Notes

Ch. 2, Ch. 3 (pp. 95-end); SR#2, Class Notes Ch. 3 (pp. 71-85)

6/10 (1:00pm) **Test #1**

6/10-6/11 Lightness, Brightness, & Contrast Perception 6/12 Visual Pathways, Cortex, Streams,

& Spatial Frequencies

WEEK#3

6/15-6/16 Perceptual Organization, Attention, & Object Perception

6/17 **(1**:00pm) **Test #2**

6/17 *Semester Midpoint*

6/17-6/18 Color Vision 6/18-6/19 Depth Perception

WEEK#4

6/22 Action & the Perception of Events

6/23 Audition 6/24 (1:00pm) **Test #3**

Ch. 3 (pp. 85-95), Class Notes

Ch. 4; Ch. 5 (pp. 151-184), Class Notes

Ch. 5 (pp. 184-end); Ch. 6 (pp. 193-219),

Class Notes

Ch. 7, Class Notes Ch. 8; Class Notes

Ch. 9 (pp. 317-336; 341-350), Class Notes

Ch. 10, 11 (pp. 389-421), Class Notes

|  |  |  |
| --- | --- | --- |
| 6/24 | Speech Perception | Ch. 12 (pp. 427-443); Class Notes |
| 6/26 | Touch & Pain | Ch. 13 (pp. 457-468; 471-485; 487-491) |
| WEEK#5 |  |  |
| 6/29 | Smell & Taste | Ch. 14, 15 |
| 6/30 | *Last Class* |  |

**6/30** (I :00pm) **Test #4**

**FINAL EXAM: Wednesday, 7/1/2013, 1:00-3:lSpm in PSY 102**

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**Supplemental Readings (SR's)**

**SR#l** From Sensation and Perception (5th Edition) (Coren, Ward, & Enns, 1999). Appendix: Primer of Neurophysiology; Password= *visualatt*

**SR#2** The Experiment of Hecht, Schlaer, and Pirenne. from *Visual Perception* (Chapter 2, pp.6-26), T.N. Comsweet, 1970. 2 files: Experimentl.pdf & Experiment2.pdf; Password= *helmholtz*

Plus/Minus Grading Policy

|  |  |  |
| --- | --- | --- |
| Cutoff% | Letter | 4-pt Scale |
| (90%) | A | =4.0 |
| (87-89%) | A- | = 3.7 |
| (84-86%) | B+ | = 3.3 |
| (80-83%) | B | = 3.0 |
| (77-79%) | B- | =2.7 |
| (74-76%) | C+ | =2.3 |
| (70-73%) | C | = 2.0 |
| (65-69%) | C- | = 1.7 |
| (60-64%) | D | = 1.0 |

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