

Psychology 351
Lab in Perception
Fall 2010
M,W 8:00-9:50am

Instructor: Dr. Jamie D Roitman
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Required materials: Sensation & Perception, 2nd ed. (2009). Wolfe JM, et al. (\$76.59 online)
Available as e-book: <http://www.coursesmart.com/9780878939534> (\$66.95)

Useful websites: <http://blackboard.uic.edu>, <http://www.sinauer.com/wolfe2e>

Recommended further reading:

The Man Who Mistook His Wife for a Hat by Oliver Sacks.
Proust Was a Neuroscientist by Jonah Lehrer

Goals:

- Understand how the brain interprets information from sensory systems
- Employ research methods used to quantify perceptual phenomenon
- Critically evaluate data and write about scientific findings in the format of primary research articles

Tentative schedule:

<i>Date</i>	<i>Topic</i>
M. Aug 23	Overview
W. Aug 25	Evolution and Psychophysics
M. Aug 30	Vision 1- retina
W. Sept 1	Vision 2-cortex
M. Sept 6	<i>no class- Labor Day</i>
W. Sept 8	Vision 3-space
M. Sept 13	Vision 4-motion
W. Sept 15	Exam 1 (Evolution - Vision 4)
M. Sept 20	Eye movements
W. Sept 22	Visual perception
M. Sept 27	Attention 1
W. Sept 29	Attention 2
M. Oct 4	Attention 3- language
W. Oct 6	Exam 2 (Eye movements – Attention 3)
M. Oct 11	Memory 1
W. Oct 13	Memory 2 – Chris Comer Symposium

<i>Date</i>	<i>Topic</i>
M. Oct 18	Audition 1- acoustics
W Oct 20	Audition 2- “what and where”
M. Oct 25	Writers workshop
W. Oct 27	Audition 3- music perception
M. Nov 1	Synesthesia, Lab Report due
W. Nov 3	Exam 3 (Memory 1 – Synesthesia)
M. Nov 8	Somatosensation
W. Nov 10	Vestibular system
M. Nov 15	Chemical senses 1- taste
W. Nov 17	<i>no class- SfN meeting</i>
M. Nov 22	Chemical senses 2- smell
W. Nov 24	<i>no class</i>
M. Nov 29	Chemical senses 3- aversion learning, Final Lab Report due
W. Dec 1	Exam 4 (Somatosensation – Chemical senses 3)

Policies

All quizzes and lab assignments must be completed during the class period. There will be **no make-up quizzes** except for the most serious of documented circumstances. There will be **no extra-credit** opportunities. Your grade will be based on:

4 exams, short answer, each worth ~50 points

10-12-page lab report, worth 100 points- draft will contribute 25% of grade, revision will contribute 75% of grade

Participation in ~20 lab exercises. Failure to participate in any lab will result in a **loss** of 5 points from your total grade.

You are responsible for material discussed in class/lab and information from the textbook. The lecture portion of the class emphasizes the most relevant information from the text and includes data from the primary literature not included in the text. Therefore attendance is critical. Contact me **promptly** for advice if you are not performing as well as you want. The distribution of grades will be: 85-100% A, 75-85% B, 65-75% C, 55-65% D, <55% F.

It is my hope that each student learns the material and succeeds. Cheating will not be tolerated. Evidence of cheating on any graded material will result disqualification of that material and a 0 being entered as the result.

Accommodations are available for students who have disabilities. Please notify me during the first week of class of any accommodation needed for the course. Students with disabilities who require accommodations for access and participation in this course must be registered with the Office of Disability Services (ODS). Please contact ODS at 312-413-2183 (voice) or 312-413-0123 (TTY).