

Psychology 230: Perception and Sensory Processes

Summer 2015

Course Information

Meeting Dates: June 16 - August 6, 2015

Time: 10:00am-12:20pm Tuesdays and Thursdays

Place: Psychology Building Rm 142

Instructor

Deb Cronin

E-mail: cronin2@illinois.edu

Office: Room 514, Psychology Building

Office Hours: 12:30-1:30 Tuesdays, or by appointment

Course Description

This course is a survey of current theory and research in the areas of perception and sensory processes. In particular, we will attempt to understand such phenomena as object recognition, color vision, depth and motion perception, localization of sound, taste and odor recognition, tactile perception, spatial orientation, and the physiological mechanisms that underlie each of these phenomena.

The course will consist of lectures, discussions, and in-class demonstrations. Students are expected to complete all assigned readings by the day listed on the syllabus below.

Materials

Textbook: Wolfe, J.M., Kluender, K.R., Levi, D.M., Bortoshuk, L.M., & Herz, R.S. (2012). *Sensation & Perception* (3rd Edition), Sinauer Associates, Inc.: Sunderland, MA.

4th Edition of same text works, too.

Companion site: <http://sites.sinauer.com/wolfe3e>

The textbook companion website contains chapter outlines, chapter summaries, a glossary of terms, as well as interactive activities, online demonstrations, practice exams, and other study aids.

Course Website: <http://compass2g.illinois.edu>

This is where you will be able to access materials and information about the course. Lecture slides, grades, helpful documents, and other materials will be available here.

Course Requirements & Grading

<i>Source</i>	<i>Points</i>
Exam 1	50 pts
Exam 2	50 pts
Exam 3	50 pts
<u>Participation</u>	<u>50 pts</u>
Total	200 pts

Exams:

There will be three exams worth 50 points each. All exams will take place in Room 32 of the Psychology Building during normal class meeting times and will be **non-cumulative**.

There will be NO MAKEUP EXAMS. If you must be absent from class during an exam day, please contact me before or during the missed exam. Appropriate documentation for your absence must be provided. This includes a notice from the Emergency Dean, a funeral notice, an absence letter from the Athletic department, a note from McKinley, etc. If you know you must miss an exam, but are not sure what documentation to provide, please meet with me after class.

If you miss an exam and fail to contact me and/or fail to provide adequate documentation for your absence in a timely manner, you will receive a 0 for that exam.

If you miss an exam, contact me about it before or during the exam, and provide adequate documentation for your absence, your missed exam grade will be replaced with the grade you receive on the third exam. Or, in the event you miss the third exam, your missed exam score will be replaced with the grade you received on the second exam.

Participation:

There will be 50 points available from various types of in-class participation and take-home assignments. Throughout the course, 10 assignments will be assigned, either in-class or due the following class period. Each of these assignments will be worth 3-4 points for a total of 38 points. The last 12 points are attendance points. Because there are only 12 total lectures (with 3 exam days) in this Summer Session, it is important for you to attend every lecture. Attendance will be taken at each lecture. **One point will be deducted from your grade for each lecture missed and you will not be allowed to make up any in-class or assigned work for that day.**

If you must be absent for a lecture, you will be allowed to make up assigned work so long as you provide adequate documentation for your absence. Please see the 'Exams' section for information about adequate documentation.

Extra Credit Opportunities:

Students have the opportunity to earn extra-credit by either participating in research experiments as part of the Psychology Department subject pool **or** by writing a research proposal. The total extra-credit that a student can earn is 12 points. These points will be added to your final grade.

Participation in research: You can voluntarily choose to participate in up to 3 hours of research through the Psychology Department subject pool. To make an appointment for an experiment, go to the following website: <http://uiuc.sona-systems.com/> and click on "Request an account". IMPORTANT: you will have to enroll separately for each 200-level course for which you'd like to earn extra-credit through participation in research. To make sure your extra credit is applied to this course, make sure you enter the following 'quiz code' 230 (our course number). Once registered, you will be able to search through available experiments and schedule your

appointments. You will receive 4 points for every hour of research participation that you complete (up to 3 hours). The number of hours you earned is tallied by the Psychology Department and will be emailed to me when the Subject Pool closes at the end of the term.

Written research paper: As an alternative to participating in research experiments, you can complete a written assignment worth 12 points. To fulfill this assignment, you will have to research and write a 3-page (single-spaced) research paper. Before you begin this assignment, you must contact me about the topic and format for the paper.

All extra credit must be completed before the last day of class, August 6th.

Letter Grades:

A = 180 points or above

B = 160 - <180 points

C = 140 - <160 points

D = 130 - <140 points

F= Below 129 points

Grading Disputes:

Any disputes over exam/assignment answers need to be described and submitted to me in writing within one week of getting your score back. All submitted grading disputes will be carefully reviewed before they are returned to you.

Course Policies

Emails: All emails to me must have “Psych 230” as the first part of the subject line. I get a lot of emails each day and this ensures that I do not overlook your messages. Feel free to email me with any questions or issues.

Academic Integrity: **Violations of academic integrity will not be tolerated.** If you are found to be cheating during an exam, you will be assessed a penalty, up to a 0 for that exam. Remember, ANY grade, no matter how low, is better than a 0. Penalties as severe as expulsion from the University are also possible.

Laptops. **No laptops or tablet computers will be allowed during lecture.** In my experience, they serve to distract more than assist your comprehension during class. Plus, taking notes by hand is scientifically proven to be more effective than taking notes on a computer (Mueller & Oppenheimer, 2014; look it up!).

Cell Phones: Please remember to put your cell phone on vibrate or silent before class. In addition, please refrain from texting during lecture.

Students with special needs: Please contact the Division of Rehabilitation-Education Services (DRES) (333-4603) and let me know as soon as possible so that I can make appropriate arrangements.

In the event of an emergency: Students that will require assistance in the event of an emergency should identify themselves to the instructor. Your instructor will make arrangements to assist you in moving to a Safe Area during an emergency. Safe Areas are located on each floor of the Psychology Building next to the freight elevator in the southwest corner.

Course Schedule*

*Please note that this is a general outline—some topics may be introduced a day early depending on how quickly we are able to move through each topic.

LECTURE DATE			TOPIC	READING (listed page is start of chapter)	ASSIGNMENT (listed on due date)
Week 1	T	6/16	Introduction	Chapter 1	
	R	6/18	The First Steps in Vision	Chapter 2	Imaging Methods WS
Week 2	T	6/23	Spatial Vision	Chapter 3	Lateral Inhibition WS
	R	6/25	Object Recognition	Chapter 4	
Week 3	T	6/30	Review Exam 1		
	R	7/2	Color Perception	Chapter 5	
Week 4	T	7/7	Space Perception & Binocular Vision	Chapter 6	Sodium Lamp Demo WS
	R	7/9	Motion Perception	Chapter 8	Depth Cues WS
Week 5	T	7/14	Spatial Orienting and the Vestibular System	Chapter 12	
	R	7/16	Review Exam 2		Vestibular System WS
Week 6	T	7/21	Hearing Physiology and Psychoacoustics	Chapter 9	Cochlear Implant WS
	R	7/23	Hearing in the Environment	Chapter 10	Virtual Barbershop (On Compass)
Week 7	T	7/28	Touch	Chapter 13	Two-Point Threshold Demo
	R	7/30	Olfaction (Smell)	Chapter 14	
Week 8	T	8/4	Taste	Chapter 15	Smell TED Talk (On Compass); Skittles WS
	R	8/6	Review Exam 3		