



**Department of Psychology**  
**Psychology 369 (LEC 01) – Sensation and Perception**  
**Winter 2011 – Course Outline**

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<b>Instructor:</b>	<b>Dr. Audny T. Dypvik</b>	<b>Lecture Location:</b>	<b>ICT 121</b>
<b>Phone:</b>	403-220-2242	<b>Lecture Days/Time:</b>	MWF 14:00 – 14:50
<b>Email:</b>	atdypvik@ucalgary.ca		
<b>Office:</b>	A257D		
<b>Office Hours:</b>	By appointment		

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### **Course Description and Goals**

The purpose of this course is to examine the psychological and physiological bases of sensory and perceptual processes including vision, audition, taste, smell, touch, proprioception, and basic psychophysics. It is meant to provide a background for advanced courses in sensory and perceptual processing, human factors, and environmental psychology.

### **Prerequisites**

Psyc 205 – Principles of Psychology

### **Required Text**

Goldstein, E.B. (2010). Sensation and Perception, (Eighth Edition). Belmont, CA: Wadsworth. Textbooks will be available in the University Bookstore.

### **Evaluation**

There will be three equally weighted, non-cumulative examinations. The format of the exams will be multiple-choice questions. The average of the three exams will be your final mark. The date of Exam 1 will be February 4, 2011, and will test chapters 1 through 5. The date of Exam 2 will be March 14, 2011 and will test chapters 6 through 10. The final exam will be scheduled by the Registrar and will test chapters 11 through 16.

Exam	Date	Text coverage	% of Grade
Exam 1	February 4, 2011	Chapters 1-5	33.3%
Exam 2	March 14, 2011	Chapters 6-10	33.3%
Final Exam	Scheduled by Registrar	Chapters 11-16	33.3%

### **Grading Scale**

A+	96-100%	B+	80-84%	C+	67-71%	D+	54-58%
A	90-95%	B	76-79%	C	63-66%	D	50-53%
A-	85-89%	B-	72-75%	C-	59-62%	F	0-49%

As stated in the University Calendar, it is at the instructor's discretion to round off either upward or downward to determine a final grade when the average of term work and final examinations is between two letter grades. To determine final letter grades, final percentage

grades will be rounded up or down to the nearest whole percentage (e.g., 89.5% will be rounded up to 90% = A but 89.4% will be rounded down to 89% = A-).

### Tentative Lecture Schedule

Date	Topic	Exams	Text Chapter
M Jan 10	<b>Lecture starts.</b> Study of perception		1
W Jan 12	Measuring perception		1
F Jan 14	Structure of the brain, neurons		2
M Jan 17	Neural processing, action potential, sensory code		2
W Jan 19	Vision – the eye		3
F Jan 21	<b>Last day to drop a course with no W grade and tuition refund.</b> Vision – visual perception		3
M Jan 24	<b>Last day for registration/change of registration.</b> Visual cortex - representation of objects		4
W Jan 26	Visual cortex		4
F Jan 28	Visual cortex and visual pathways		4
M Jan 31	Object and scene perception		5
W Feb 2	Object and scene perception		5
F Feb 4		Exam 1 Chapters 1-5	
M Feb 7	Visual attention		6
W Feb 9	Visual attention and perceiving the environment		6
F Feb 11	Perception of action		7
M Feb 14	Taking action		7
W Feb 16	Motion perception		8
F Feb 18	Studying motion perception		8
M Feb 21	<b>Reading days. No lecture.</b>		
W Feb 23	<b>Reading days. No lecture.</b>		
F Feb 25	<b>Reading days. No lecture.</b>		
M Feb 28	Color perception		9
W Mar 2	Color perception - theories		9
F Mar 4	Color perception - theories		9
M Mar 7	Depth perception		10
W Mar 9	Depth perception		10
F Mar 11	Size perception		10
M Mar 14		Exam 2 Chapters 6-10	
W Mar 16	Sound, perceiving sound		11
F Mar 18	Auditory system – the ear		11
M Mar 21	Auditory system – how we hear		11
W Mar 23	From the ear to the cortex		11

F Mar 25	Sound localization		12
M Mar 28	Auditory scene analysis		12
W Mar 30	Speech perception		13
F Apr 1	Speech perception, units of speech		13
M Apr 4	Cutaneous senses - touch		14
W Apr 6	Cutaneous senses - pain		14
F Apr 8	Chemical senses - olfaction		15
M Apr 11	Chemical senses - taste		15
W Apr 13	Perceptual development		16
R Apr 14	<b><i>Last day to participate in research and allocate research credits.</i></b>		
F Apr 15	<b><i>Lecture ends. Last day to withdraw.</i></b> Perceptual development		16

### **Reappraisal of Grades**

A student who feels that a piece of graded term work (e.g., term paper, essay, test) has been unfairly graded, may have the work re-graded as follows. The student shall discuss the work with the instructor within 15 days of being notified about the mark or of the item's return to the class. If not satisfied, the student shall immediately take the matter to the Head of the department offering the course, who will arrange for a reassessment of the work within the next 15 days. The reappraisal of term work may cause the grade to be raised, lowered, or to remain the same. If the student is not satisfied with the decision and wishes to appeal, the student shall address a letter of appeal to the Dean of the faculty offering the course within 15 days of the unfavorable decision. In the letter, the student must clearly and fully state the decision being appealed, the grounds for appeal, and the remedies being sought, along with any special circumstances that warrant an appeal of the reappraisal. The student should include as much written documentation as possible.

### **Plagiarism and Other Academic Misconduct**

Intellectual honesty is the cornerstone of the development and acquisition of knowledge and requires that the contribution of others be acknowledged. Consequently, plagiarism or cheating on any assignment is regarded as an extremely serious academic offense. Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Students should examine sections of the University Calendar that present a Statement of Intellectual honesty and definitions and penalties associated with Plagiarism/Cheating/Other Academic Misconduct.

### **Academic Accommodation**

It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 403-220-8237. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than 14 days after the start of this course.

### **Absence From A Test/Exam**

Makeup tests/exams are NOT an option without an official University medical excuse (see the University Calendar). A completed Physician/Counselor Statement will be required to confirm absence from a test/exam for health reasons; the student will be required to pay any cost associated with this Statement. Students who miss a test/exam have 48 hours to contact the instructor and to schedule a makeup test/exam. Students who do not schedule a makeup test/exam with the instructor within this 48-hour period forfeit the right to a makeup test/exam. At the instructor's discretion, a makeup test/exam may differ significantly (in form and/or content) from a regularly scheduled test/exam. Except in extenuating circumstances (documented by an official University medical excuse), a makeup test/exam must be written within 2 weeks of the missed test/exam.

### **Freedom of Information and Protection of Privacy (FOIP) Act**

The FOIP legislation disallows the practice of having student's retrieve tests and assignments from a public place. Therefore, tests and assignments may be returned to students during class/lab, or during office hours, or via the Department Office (Admin 275), or will be made available only for viewing during exam review sessions scheduled by the Department. Tests and assignments will be shredded after one year. Instructors should take care to not link students' names or UCIDs with their grades or other FOIP-sensitive information.

### **Course Credits for Research Participation (Max 2% of final grade)**

Students in most psychology courses are eligible to participate in Departmentally approved research and earn credits toward their final grades. **A maximum of two credits (2%) per course, including this course, may be applied to the student's final grade. Students earn 0.5% (0.5 credits) for each full 30 minutes of participation.** The demand for timeslots may exceed the supply in a given term. Thus, students are not guaranteed that there will be enough studies available to them to meet their credit requirements. Students should seek studies early in the term and should frequently check for open timeslots. Students can create an account and participate in Departmentally approved research studies at <http://ucalgary.sona-systems.com>. The last day to participate in studies and to assign or reassign earned credits to courses is **Apr 14<sup>th</sup>, 2011**

### **Evacuation Assembly Point**

In case of an emergency evacuation during class, students must gather at the designated assembly point nearest to the classroom. The list of assembly points is found at <http://www.ucalgary.ca/emergencyplan/assemblypoints>. Please check this website and note the nearest assembly point for this course.

### **Student Organizations**

Psychology students may wish to join the Psychology Undergraduate Students' Association (PSYCHS). They are located in Administration 170 and may be contacted at 403-220-5567.

**Student Union VP Academic:** Phone: 403-220-3911 [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca)

**Student Union Faculty Rep.:** Phone: 403-220-3913 [socialscirep@su.ucalgary.ca](mailto:socialscirep@su.ucalgary.ca)

### **Student Ombudsman's Office**

The Office of the Student Ombudsman provides independent, impartial and confidential support for students who require assistance and advice in addressing issues and concerns related to their academic careers. The office can be reached at 403-220-6420 or

[ombuds@ucalgary.ca](mailto:ombuds@ucalgary.ca) (<http://www.su.ucalgary.ca/services/student-services/student-rights.html>).

### **Safewalk**

The safewalk program provides volunteers to walk students safely to their destination anywhere on campus. This service is free and available 24 hrs/day, 365 days a year. Call 403-220-5333.

### **Important Dates**

The last day to drop this course with no "W" notation and **still receive a tuition fee refund** is **Jan 21<sup>st</sup>, 2011**. Last day for registration/change of registration is **Jan 24<sup>th</sup>, 2011**. The last day to withdraw from this course is **Apr 15<sup>th</sup>, 2011**.