



PSYC 369-01

Sensation & Perception

Fall 2013

<b>Instructor:</b>	Charles (Chip) Scialfa	<b>Lecture Location:</b>	ENA103
<b>Phone:</b>	403-220-4951	<b>Lecture Days/Time:</b>	MWF 11:00-11:50
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<b>Office:</b>	A237		
<b>Office Hours:</b>	TBA		

### Course Description and Goals

To provide an understanding of:

- basic anatomy and physiology of the visual and auditory and other sensory systems.
- major methods of measuring sensory function in vision and audition (e.g., acuity);
- classical psychophysical techniques, signal detection theory, and scaling.
- traditional and contemporary approaches to object perception.
- major theories of color perception.
- several views of attention and how it is measured behaviorally and physiologically.
- perception of depth and the information affording depth perception.
- motion, and in particular, the subjective impressions of velocity.
- essential concepts in pattern recognition as applied to vision and hearing.
- the interaction of bottom-up and top-down processes in perception.

### Prerequisites

- Psyc 205 – Principles of Psychology, or Psychology 200 and 201

### Required Text

Goldstein, E.B. (2010). *Sensation and Perception* (8<sup>th</sup> ed). Wadsworth, in the bookstore.

### Evaluation

There will be three equally weighted, non-cumulative examinations that will consist of multiple-choice questions. Your final mark is the arithmetic average of the three exams. The chapters covered on each exam are shown in the lecture schedule, along with exam dates.

### Department of Psychology Criteria for Letter Grades

Psychology professors use the following criteria when assigning letter grades:

**A+ grade: *Exceptional Performance.*** An A+ grade indicates near perfect performance on multiple choice and short answer exams. For research papers/essays/course projects/presentations, an A+ grade is awarded for exceptional work deserving of special recognition and is therefore not a common grade.

A, A- Range: *Excellent Performance*. Superior understanding of course material. Written work is very strong in terms of critical and original thinking, content, organization, and the expression of ideas, and demonstrates student's thorough knowledge of subject matter.

B Range: *Good Performance*. Above average understanding of course material. Written work shows evidence of critical thinking and attention to organization and editing but could be improved in form and/or content.

C Range: *Satisfactory Performance*. Adequate understanding of course material. Knowledge of basic concepts and terminology is demonstrated. Written work is satisfactory and meets essential requirements but could be improved significantly in form and content. Note: All prerequisites for courses offered by the Faculty of Arts must be met with a minimum grade of C-.

D range: *Marginally meets standards*. Minimal understanding of subject matter. Written work is marginally acceptable and meets basic requirements but requires substantial improvements in form and content. Student has not mastered course material at a level sufficient for advancement into more senior courses in the same or related subjects.

F grade: *Course standards not met*. Inadequate understanding of subject matter. Written work does not meet basic requirements. Student has not demonstrated knowledge of course material at a level sufficient for course credit.

**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.

In this course there will be no rounding up of final grades, especially in light of the opportunities students have to increase their final grade via research participation.

**Tentative Lecture Schedule**

Ideally in table format with date of class, topics to be covered, and chapters/readings to be read. Due dates for tests/exams and assignments should be included in this schedule as well.

Date	Topic	Chapter
M Sep 9	Fall Session lectures begin Introduction and Methods	1
W Sep 11	Introduction and Methods	1
F Sep 13	Signal Detection Theory	Appendix

M Sep 16	Physiology of Perception	2
W Sep 18	Physiology of Perception	
F Sep 20	Introduction to Vision  Last day to drop full courses and Fall Term half courses. No refunds for full courses (Multi-Term) or Fall Term half courses after this date	3
M Sep 23	Introduction to Vision	
W Sep 25	Introduction to Vision	
F Sep 27	The Visual Cortex and Brain	4
M Sep 30	The Visual Cortex and Brain	
W Oct 2	Functional Vision: Acuity and Contrast Sensitivity	None
F Oct 4	Functional Vision: Acuity and Contrast Sensitivity	None
M Oct 7	Test 1	Ch 1-4, Appendix
W Oct 9	Perceiving Objects and Scenes	5
F Oct 11	Perceiving Objects and Scenes	
M Oct 14	Thanksgiving Day. No lecture.	
W Oct 16	Visual Attention	6
F Oct 18	Visual Attention	
M Oct 21	Motion	8
W Oct 23	Motion	
F Oct 25	Color	9
M Oct 28	Color	
W Oct 30	Depth	10
F Nov 1	Depth	
M Nov 4	Test 2	Ch. 5,6,8,9,10
W Nov 6	Sound and the Auditory System	11
F Nov 8	Sound and the Auditory System	

M Nov 11	Remembrance Day. No lecture.	
W Nov 13	Sound and the Auditory System	
F Nov 15	Sound Localization and the Auditory Scene	12
M Nov 18	Sound Localization and the Auditory Scene	
W Nov 20	Speech Perception	13
F Nov 22	Speech Perception	
M Nov 25	The Cutaneous Senses	14
W Nov 27	The Cutaneous Senses	
F Nov 29	The Chemical Senses	15
M Dec 2	The Chemical Senses	
W Dec 4	Perceptual Development	16
F Dec 6	Perceptual Development Lecture ends. Last day to participate in research and allocate research credits. Last day to withdraw.	
Dec 9-19	Final exam period. Final exam to be scheduled by Registrar.	

### 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; no reappraisal of term work is permitted after the 15 days. 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 unfavourable 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.

### **Travel During Exams**

Consistent with University regulations, students are expected to be available to write scheduled exams at any time during the official December and April examination periods. Requests to write a make-up exam because of conflicting travel plans (e.g., flight bookings) will NOT be considered except under exceptional circumstances. Students are advised to wait until the final examination schedule is posted before making any travel arrangements.

### **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 with their grades, UCIDs, or other FOIP-sensitive information.

## Course Credits for Research Participation

### 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 **Dec 6, 2013**

### 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

[suypaca@ucalgary.ca](mailto:suypaca@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 Ombudsmen 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 **September 20, 2013**. Last day for registration/change of registration is **September 23, 2013**. The last day to withdraw from this course is **December 6, 2013**.