

PSYC 369	Sensation & Perception	Summer 2017
<b>Instructor:</b>	Hsia-Pai Patrick Wu	<b>Lecture Location:</b> PF 118
<b>Phone:</b>	403-919-6611	<b>Lecture Days/Time:</b> MW 12:00 – 14:45
<b>Email:</b>	hppwu@ucalgary.ca poboxpatwu@gmail	
<b>Office:</b>		
<b>Office Hours:</b>	By appointment	

### Course Description

The psychological and physiological bases of sensory and perceptual processes, including vision, audition, taste, smell, touch, proprioception, and basic psychophysics. Provides a background for advanced courses in sensory and perceptual processing, human factors, and environmental psychology.

### Course Learning Outcomes

The Department of Psychology is committed to student knowledge and skill development. The table below lists the key learning outcomes for this course, the program-learning outcomes they facilitate (see [psyc.ucalgary.ca/undergraduate/program-learning-outcomes](http://psyc.ucalgary.ca/undergraduate/program-learning-outcomes)), and the expected level of achievement.

Course Learning Outcomes	PLO(s)	Level(s)
Demonstrate knowledge of the neuroanatomy of major sensory pathways by following the tracing the transduction physical stimuli into neural impulses and ultimately psychological awareness	1,5	I, C
Apply knowledge of perceptual measurements to dissect and understand the fundamental experiments conducted in the area of psychophysics	2,5	C, A
Use principles of sensory perception to explain the pathology of diseases and disorders associated with the dysfunction of the sensory system	5,7	C, A

Notes. PLOs = Program-Learning Outcomes: 1 = demonstrate knowledge of psychological sciences, 2 = think critically and solve problems, 3 = conduct research and analyze data, 4 = communicate effectively, 5 = demonstrate information literacy, 6 = understand and implement ethical principles, 7 = apply psychological knowledge and skills. Level of PLO achievement facilitated by this course: I = introductory, C = competency, A = advanced.

### Prerequisites

PSYC 200 & PSYC 201 – Principles of Psychology I & II

### Required Text

*Fundamentals of Sensory Perception*. A. Chaudhuri. Oxford University Press. 2011  
 Text is Available at the University Bookstore

### Evaluation

Quizzes (4)                      20.0% (W Jul 12, M Jul 24, M Jul 31, M Aug 14)

Midterm Exam 1	22.5% (W Jul 19)
Midterm Exam 2	22.5% (W Aug 2)
Final Exam	35.0% (TBA)

Student performance in this course will be evaluated through four Quizzes, two Midterms, and one Final Exam. Each of the four quizzes will be worth 5% of the final grade. The Quizzes will consist of short answer questions and/or multiple choice questions, and will take 10 to 15 min to complete at the end of the specified lecture date. The Midterms will not be cumulative, and will each include material from the preceding 3-4 lectures (Lectures 1-4 for Midterm 1; lectures 5-7 for Midterm 2). The Midterms will each be worth 22.5% of the final grade, and will consist of approximately 70% multiple choice and 30% short answer questions. The Final Exam will be cumulative and include material from the entire semester with emphasis (approximately 60%) on material from the last third of the semester (Lectures 8-11). The Final Exam will be worth 35% of the final grade, and consist of approximately 70% multiple choice and 30% short answer. Use of electronic devices (phones, laptops, tablet, etc.) are not permitted during quizzes, midterms, and exams. Students are required to bring their student ID, and pens and pencils only.

### **Department of Psychology Grade Distribution Policy**

The distribution of grades in Psychology courses (the percentage of A grades, B grades, etc.) will be similar to the distribution of grades in other courses in the Faculty of Arts. The Department monitors the grade distributions of 200-, 300-, and 400-level courses in the Faculty to ensure that the grade distributions in Psychology courses are comparable. Based on these reviews, students can expect that 1) up to 30% of grades in 200- and 300-level psychology courses will be "A" grades (A+, A, and A-), and 2) up to 40% of grades 400-level psychology courses will be "A" grades.

### **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.

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**

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/Activity/Readings/Due Date (revise and add columns & rows as necessary)
T July 4	Summer Term Lecture begins.
W July 5	<b>Lecture 1 – Introduction and Review of Neuroscience foundations, Perceptual Measurement fundamentals</b> Readings: Chapter 1, Chapter 2 A-C + Notes
M July 10	Last day to add/drop or swap summer courses.
W July 12	<b>Lecture 2 – Somatosensation I (Haptic sensation and Somatosensation)</b> Readings: Chapter 3 A-C  <b>***** Quiz 1 *****</b>
M July 17	<b>Lecture 3 – Somatosensation II (Pain)</b> Readings: Chapter 3 D + Notes
W July 19	<b>***** Midterm 1 *****</b> <b>(Will cover material from Lecture 1 through Lecture 4)</b>  <b>Lecture 4 – Gustation and Olfaction</b> Readings: Chapter 4
M July 24	<b>Lecture 5 – Auditory Sensation: Anatomy and Perception</b> Readings: Chapter 5, 6 A  <b>***** Quiz 2 *****</b>

W July 26	<b>Lecture 6 – Auditory Sensation: Music and Language</b> Readings: Chapter 6, 7 A-B
M Jul 31	<b>Lecture 7 – Vision: Anatomy</b> Readings: Chapter 8 A-B, 9 A-C  <b>***** Quiz 3 *****</b>
W Aug 2	<b>***** Midterm 2 *****</b> <b>(Will cover material from Lecture 5 through Lecture 7)</b>  <b>Lecture 8 – Vision: Higher Cortical Function, Colour, and Depth Perception</b> Readings: Chapter 10 A-C, 11 A-C, 12 A-C
M Aug 7	University Closed Heritage Day
W Aug 9	<b>Lecture 9 – Visual: Motion Perception and Disorders</b> Readings: Chapter 13 A
M Aug 14	<b>Lecture 10 – Consciousness and Movement + Review</b> Readings: Chapter 3 A-D, 13 B-D  <b>***** Quiz 4 *****</b>
W Aug 16	Summer Term Lectures End. Last day to withdraw from full session Summer Term courses.
August 18-21	Final exam dates for full session Summer Term courses and Spring and Summer Multi-term courses.

### 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**

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit [www.ucalgary.ca/access/](http://www.ucalgary.ca/access/).

Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor.

The full policy on Student Accommodations is available

at [http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy\\_0.pdf](http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy_0.pdf).

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 up to 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 during exam make-up hours provided by the department <http://psychology.ucalgary.ca/undergraduate/exam-review-and-makeup-exams>. If a student cannot write their final exam on the date assigned by the Registrar's Office, they need to apply for a deferred exam [http://www.ucalgary.ca/registrar/exams/deferred\\_final](http://www.ucalgary.ca/registrar/exams/deferred_final). Under no circumstances will this be accommodated by the department.

### **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 by the department. Students are advised to wait until the final examination schedule is posted before making any travel arrangements. If a student cannot write their final exam on the date assigned by the Registrar's Office, they need to apply for a deferred exam [http://www.ucalgary.ca/registrar/exams/deferred\\_final](http://www.ucalgary.ca/registrar/exams/deferred_final). Under no circumstances will this be accommodated by the department.

### **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 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.

### **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 130 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.:**

[arts1@su.ucalgary.ca](mailto:arts1@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.ucalgary.ca/provost/students/ombuds>)

### **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 **July 10, 2017**. Last day for registration/change of registration is **July 10, 2017**. The last day to withdraw from this course is **August 16, 2017**.