



Department of Psychology
Psychology 369 (L60) – Sensation and Perception
Summer 2010 – Course Outline

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|----------------------|--|---------------------------|----------------|
| Instructor: | Dr. Audny T. Dypvik | Lecture Location: | A167 |
| Phone: | 403-220-2242 | Lecture Days/Time: | MW 11:00-13:45 |
| Email: | atdypvik@ucalgary.ca | | |
| Office: | A257D | | |
| Office Hours: | By appointment | | |

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 July 14, and will test chapters 1 through 5. The date of Exam 2 will be August 4 and will test chapters 6 through 11. The final exam will be scheduled by the Registrar, and will test chapters 12 through 16. The grading system is as follows:

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 Jul 5 | Study of Perception and its Measurement Physiology of Perception - brain structure, neural processing | | 1 2 |
| W Jul 7 | Vision – the eye, visual perception Visual cortex - representation of objects and visual pathways | | 3 4 |
| F Jul 9 | Last day to drop a course with no W grade and tuition refund. Last day for registration/change of registration. | | |
| M Jul 12 | Object and scene perception | | 5 |
| W Jul 14 | Visual attention related to perception | EXAM 1 Chapters 1-5 | 6 |
| M Jul 19 | Perception within a changing environment Motion perception | | 7 8 |
| W Jul 21 | Color perception – description and theories of color vision | | 9 |
| M Jul 26 | Depth and size perception – cues used | | 10 |
| W Jul 28 | Sound and the auditory system - from the ear to the cortex | | 11 |
| M Aug 2 | Alberta Heritage Day. No lectures. University closed. | | |
| W Aug 4 | Sound localization and auditory scene | EXAM 2 Chapters 6-11 | 12 |
| M Aug 9 | Speech perception – from the acoustic signal to units of speech | | 13 |
| W Aug 11 | Cutaneous senses – touch and pain Chemical senses – olfaction and taste | | 14 15 |
| M Aug 16 | Last day to participate in research and allocate research credits. Perceptual development | | 16 |
| T Aug 17 | Last day to withdraw. | | |
| W Aug 18 – F Aug 20 | Final exam (scheduled by the Registrar). | FINAL EXAM Chapters 12-16 | |

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 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.

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 (2) 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 **Aug 16th, 2010**.

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
Student Union Faculty Rep.: Phone: 403-220-3913 socialscirep@su.ucalgary.ca

Important Dates

The last day to drop this course with no "W" notation and **still receive a tuition fee refund** is **Jul 9th, 2010**. Last day for registration/change of registration is **Jul 9th, 2010**. The last day to withdraw from this course is **Aug 17th, 2010**.