



Department of Psychology
Psychology 479 (L01) – Human Neuropsychology
Fall 2010 – Course Outline

Lecture

Instructor: Avril J. Keller, M.Sc.
Phone: 403-472-1327
Email: akeller@ucalgary.ca
Office: Admin 225
Office Hours: By appointment
Lecture Location: Administration 167
Days/Time: T&R; 2:00 - 3:15pm

Lab

Instructor: Hsai-Pai Patrick Wu
Phone: 403-220-3769
Email: hppwu@ucalgary.ca
Office: 020
Office Hours: TBA
Lab Location: Administration 248
Days/Time: T; 11:00-12:50 or F: 1:00-2:50

Course Description and Goals

The objective of this course is to explore the scientific field of **neuropsychology**, the study of the relation between behavior and brain function. Information obtained from neuropsychological investigations into the relation between the brain and behavior will be employed to identify impairments in behavior that result from brain trauma, and from diseases that affect the brain. Topics include developmental neuropsychology; cognitive deficits associated with frontal, parietal, occipital, and temporal lobes; origins and mechanisms in the determination of cerebral dominancy; disorders of learning and memory; and long-term effects of cerebral lesions.

Prerequisites

Psyc 312 – Experimental Design and Quantitative Methods for Psychology, or
Psyc 375 – Brain and Behaviour

Texts

Required:

Kolb, B. & Wishaw, I.Q. (2009). *Fundamentals of Human Neuropsychology (6th Edition)*. Worth Publishers, New York.

- **Hard copy:** available at the University Bookstore.
- **Electronic copy:** available for purchase at:
http://www.coursesmart.com/9780716795865?_instructor=2603570

Tutorials, quizzes, research exercises, etc., are available at the companion website:

<http://bcs.worthpublishers.com/kolbfhn6e/>

Blumenfeld, H. (2010). *Neuroanatomy Through Clinical Cases (2nd Edition)*. Sinauer Associates Inc., Sunderland, MA.

- Hard copy: available at the University Bookstore, or on Amazon.
- Electronic copy: available for purchase at: <http://ebooks.sinauer.com/blumenfeld2e>

Recommended:

Diamond, M.C., Scheibel, A.B., & Elson, L.M. (1985). *The Human Brain Coloring Book*. Harper Collins Publishing, Oakville, CA.

- Hard copy: available at the University Bookstore, or on Amazon

Evaluation

Course Component:	Weight:
Lecture	70%
Attendance & Participation	10%
Pop Quizzes	10%
Midterm	20%
Final	30%
Lab	30%
Attendance & Participation	10%
Lab Exam #1	10%
Lab Exam #2	10%

* Students must achieve a passing grade on both the class and lab components to pass this course.

Exam Details:

Exam	Weight	Duration	Content	Format	Date
Midterm	20%	120 Minutes	Part I, II, & III	Multiple Choice	In Lab Oct 26 or 29
Final	30%	120 Minutes	Part IV, & V	Multiple Choice	(Scheduled by Registrar)

*Content covered on exams includes the textbook chapters listed under examination "content" section, in addition to corresponding lecture material.

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	Lecture	Topics & Associated Readings
T Sept 14	Lecture #1	*Lectures begin. Introduction; Chapter 1-3
Th Sept 16	Lecture #2	Neurons & their Communication: Chapter 4-5
T Sept 21	Lecture #3	Imaging the Brain: Chapter 6
Th Sept 23	Lecture #4	Drugs & Hormones: Chapter 7
F Sept 24		*Last day to drop a course with no W grade & tuition refund.
M Sept 27		*Last day for registration or change of registration.
T Sept 28	Lecture #5	Organization of Sensory System: Chapter 8
Th Sept 30	Lecture #6	Organization of Motor System: Chapter 9
T Oct 5	Lecture #7	Principles of Neocortical Function: Chapter 10
Th Oct 7	Lecture #8	Cerebral Asymmetry: Chapter 11
M Oct 11		*Thanksgiving Day – University Closed. No Lectures.
T Oct 12	Lecture #9	Variations in Cerebral Asymmetry: Chapter 12

Th Oct 14	Lecture #10	Occipital Lobes: Chapter 13
T Oct 19	Lecture #11	Parietal Lobes: Chapter 14
Th Oct 21	Lecture #12	Temporal Lobes: Chapter 15
T Oct 26	Lecture #13	Frontal Lobes: Chapter 16
Th Oct 28	Lecture #14	Disconnection Syndromes: Chapter 17
T Nov 2	Lecture #15	Learning & Memory: Chapter 18
Th Nov 4	Lecture #16	Language: Chapter 19
T Nov 9	Lecture #17	Emotion: Chapter 20
Th Nov 11		<i>*Remembrance Day. No Lectures.</i>
F Nov 12		<i>*Reading Day.</i>
T Nov 16	Lecture #18	Spatial Behaviour: Chapter 21
Th Nov 18	Lecture #19	Attention, Mental Images, & Consciousness: Ch. 22
T Nov 23	Lecture #20	Brain Development & Plasticity: Ch. 23
Th Nov 25	Lecture #21	Developmental Disorders: Ch. 24
T Nov 30	Lecture #22	Plasticity, Recovery, & Rehabilitation in Adults: Ch. 25
Th Dec 2	Lecture #23	Neurological Disorders: Ch. 26
T Dec 7	Lecture #24	Psychiatric & Related Disorders: Ch. 27
Th Dec 9	Lecture #25	Neuropsychological Assessment: Ch. 28
F Dec 10		<i>*Last day to withdraw with permission from Fall Term courses.</i>
Dec 13 – 22	FINAL EXAM	<i>*Final exam (scheduled by the Registrar).</i>

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 an 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 (Maximum 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 8th, 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 suwpaca@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 **September 24th, 2010**. Last day for registration/change of registration is **September 27th, 2010**. The last day to withdraw from this course is **December 10th, 2010**.