

Psychology 479
Human Neuropsychology
Fall 2014

Instructor:	Dr. Keith Yeates	Lecture Location:	ST 064
Phone:	403-220-2928	Lecture Days/Time:	TR 2-3:15
Email:	kyeates@ucalgary.ca (please use "Psych 479" as your subject heading)	Lab Location:	AD 051
Office:	AD 254	Lab 01 Day/Time:	W 11-12:50 (starts 9/17)
Office Hours:	T 3:30-4:30 (except 10/7 & 11/11) or by appointment	Lab 02 Day/Time:	M 11-12:50 (starts 9/15)
		TA:	Ted Slone
		Email:	etgslone@ucalgary.ca

Course Description and Goals

This course will review major topics in behavioral neuroscience and neuropsychology with an emphasis on human cognitive function and dysfunction. Initial lectures will consist of a general introduction to neuroanatomy, brain development, cerebral organization, and research methods used by neuropsychologists. These will be followed by lectures focusing on specific areas of cognitive functioning and related disorders (e.g., attention and neglect; memory and amnesia; language and aphasia). The course is intended for students with some previous exposure to the biological basis of behavior. Students are assumed to be familiar with the general content of Chapters 2, 4, 5, and 7, but there will be no examination on this material.

Prerequisites

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

Required Text

Kolb & Whishaw (2009), *Fundamentals of Human Neuropsychology*, Sixth Edition
(Hard copy available at the University Bookstore)
(Online website for review: <http://bcs.worthpublishers.com/kolbfhn6e/default.asp>)

Evaluation

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

Course Component:	Weight:
<i>Lecture</i>	
Midterm Chapters 1, 3, 6, 8, 10-14, 17, 19, 23	25% (R Oct 16)
Final exam Chapters 9, 15, 16, 18, 20-28	35% (TBA)

<i>Lab</i>	
Presentation	15%
Neuroanatomy Quiz #1	4%
Neuroanatomy Quiz #2	8%
Neuroanatomy Quiz #3	8%
Participation	5%

Midterm and Final Exam

The midterm and final exam will be based on lecture material and textbook readings. They will consist of multiple-choice questions, short answer questions, and long answer questions.

Please refer to *Absence From A Test/Exam* section in case of absence from the midterm.

Presentations

During the first lab session you will choose a partner from your lab section with whom you would like to present (presentations will be done in groups of two or three), and choose a topic for your presentation. Your presentation date will depend on the topic that you chose, and will be held during the lab. You will be required to discuss your topic in the context of a case study (or two case studies for the purposes of comparison) and published research study. The presentation should last 30 minutes.

If you or your partner is absent on the day of your scheduled presentation, the presentation will be re-scheduled for the last lab scheduled as long as the appropriate documentation is provided (please see *Absence From A Test/Exam* section for documentation to be submitted in case of absence). Your TA will need to be notified of your absence as early as possible (this should be PRIOR to the start of Lab).

If one of the presenters is absent from his/her scheduled presentation and the appropriate documentation is not provided, the second presenter will present alone on the same assigned topic during the last scheduled lab (appropriate modifications to the presentation can be discussed with your TA).

Anatomy Quizzes (held during lab)

The anatomy quizzes will be based on lab material and will not be cumulative. They will consist of diagrams and brain images requiring you to label brain regions. They also will require you to explain functions associated with particular brain regions.

Please refer to *Absence From A Test/Exam* section in case of absence from a quiz.

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, the instructor has 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/Activity/Readings/Due Date
T Sep 9	Introductions. Cerebral organization Chapters 1, 3, 10 Lecture begins.
R Sep 11	Cerebral asymmetry and handedness Chapters 11, 12
T Sep 16	Brain development and differentiation of function Chapter 23 (pp. 655-673)
R Sep 18	Brain systems and networks, and the concept of disconnection Chapter 17
F Sep 19	Last day to drop full courses (Multi-term) and Fall Term half courses. No refunds for full courses (Multi-term) or Fall Term half courses after this date.
M Sep 22	Last day to add or swap full courses (Multi-term) and Fall Term half courses. Last day for change of registration from audit to credit or credit to audit.
T Sep 23	Research methods in neuropsychology Chapter 6
R Sep 25	Language and the aphasias Chapter 19
F Sep 26	Fee payment deadline for Fall Term full and half courses.
T Sep 30	The occipital lobe Chapter 13
R Oct 2	The visual system and related disorders Chapters 8, 13
T Oct 7	Guest lecture: Dr. Brian Brooks, "Clinical practice of pediatric neuropsychology."
R Oct 9	The parietal lobe Chapter 14
M Oct 13	Thanksgiving Day, University closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.
T Oct 14	Somatosensory processes and the agnosias and apraxias Chapters 8, 14
R Oct 16	MIDTERM Chapters 1, 3, 6, 8, 10-14, 17, 19, 23
T Oct 21	The temporal lobe Chapter 15
R Oct 23	Memory and amnesiac syndromes Chapter 18
T Oct 28	The frontal lobe Chapter 16
R Oct 30	Dysexecutive syndromes Chapter 16
T Nov 4	Emotions and social neuroscience Chapter 20
R Nov 6	The motor system and the cerebellum Chapter 9
T Nov 11	Remembrance Day (Observed). University Closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.
Nov 8-11	Reading Days. No lectures.

R Nov 13	Guest lecture: Dr. Giuseppe Iaria, "Developmental topographical disorientation: symptoms, behaviour and neural mechanisms." Chapter 21
T Nov 18	Attention and neglect syndromes Chapter 22
R Nov 20	Neurological disorders Chapter 24
T Nov 25	Plasticity and recovery from injury Chapters 23 (pp. 673-689), 25
R Nov 27	Psychiatric disorders Chapter 27
T Dec 2	Developmental disorders Chapter 24
R Dec 4	Neuropsychological assessment and the role of the neuropsychologist Chapter 28 Fall Term Lectures End.
F Dec 5	Last day to withdraw with permission from Fall Term half courses.
Dec 8-18	Fall Term Exam Period.

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 255), 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 (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 5, 2014**.

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

Student Union Faculty Rep.: Phone: 403-220-3913

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

(<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 **Friday, September 19, 2014**. Last day for registration/change of registration is **Monday, September 22, 2014**.

The last day to withdraw from this course is **December 5, 2014**.