

Psychology 479	Human Neuropsychology	Fall 2015
<b>Instructor:</b>	Dr. Keith Yeates	<b>Lecture Location:</b> SA 235
<b>Phone:</b>	403-220-2928	<b>Lecture Days/Time:</b> TR 2-3:15
<b>Email:</b>	<a href="mailto:kyeates@ucalgary.ca">kyeates@ucalgary.ca</a> (please use "Psych 479" as your subject heading)	<b>Lab Location:</b> AD 248
<b>Office:</b>	AD 254	<b>Lab 01 Day/Time:</b> M 12-1:50 (starts 9/14)
<b>Office Hours:</b>	T 3:30-4:30 or by appointment	<b>Lab 02 Day/Time:</b> M 2-3:50 (starts 9/14)
		<b>TA:</b> Veronica Guadagni
		<b>Email:</b> <a href="mailto:vguadagn@ucalgary.ca">vguadagn@ucalgary.ca</a>

### 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, their neural substrates, 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 6, 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 (2015), *Fundamentals of Human Neuropsychology*, Seventh Edition  
Hard copies available at the University Bookstore. Also available as electronic version at  
[http://www.coursesmart.com/IR/8223251/9781429282956?\\_hdv=6.8](http://www.coursesmart.com/IR/8223251/9781429282956?_hdv=6.8)

### 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, 7- 8, 10-14, 17, 19, 23 (pp. 635-656)	25% (R Oct 15)
Final exam Chapters 9, 15, 16, 18, 20-28 (Chapter 23, pp. 656-669 only)	35% (TBA)

<i>Lab</i>	
Presentation TBD	15%
Neuroanatomy Quiz #1 Sept. 28	5%
Neuroanatomy Quiz #2 Oct. 26	10%
Neuroanatomy Quiz #3 Dec. 9	10%

### **Midterm and Final Exam**

The midterm and final exam will be based on both lecture material and textbook readings. The exams will consist of a mixture of multiple-choice questions, short answer questions, and long answer questions. You are not allowed to have iPods, iPads, computers, books, or notes during tests.

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

### **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 8	Introductions. Cerebral organization Chapters 1, 3 <b>Lecture begins.</b>
R Sep 10	Cerebral asymmetry Chapters 11, 12
T Sep 15	Brain development and differentiation of function Chapter 23 (pp. 635-656)
R Sep 17	Brain systems and networks, and the concept of disconnection Chapters 10, 17
F Sep 18	<b>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.</b>
M Sep 21	<b>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.</b>
T Sep 22	Research methods in neuropsychology Chapter 7
R Sep 24	Language and the aphasias Chapter 19
F Sep 25	<b>Fee payment deadline for Fall Term full and half courses.</b>
T Sep 29	The occipital lobe Chapter 13
R Oct 1	The visual system and related disorders Chapters 8, 13
T Oct 6	Guest lecture: Dr. Brian Brooks, "Clinical practice of pediatric neuropsychology."
R Oct 8	The parietal lobe Chapter 14
M Oct 12	<b>Thanksgiving Day, University closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.</b>
T Oct 13	Somatosensory processes and the agnosias and apraxias Chapters 8, 14
R Oct 15	<b>MIDTERM</b> Chapters 1, 3, 7- 8, 10-14, 17, 19, 23 (pp. 635-656)
T Oct 20	The temporal lobe Chapter 15
R Oct 22	Memory and amnesiac syndromes Chapter 18
T Oct 27	The frontal lobe Chapter 16
R Oct 29	Dysexecutive syndromes Chapter 16
T Nov 3	Emotions and social neuroscience Chapter 20
R Nov 5	Guest lecture: Veronica Guadagni, "The effects of quality of sleep on emotional processing and empathy"
T Nov 10	The motor system and the cerebellum Chapter 9
Nov 11-15	<b>Reading Days. No lectures.</b>

W Nov 11	<b>Remembrance Day (Observed). University Closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.</b>
R Nov 12	<b>Reading Days. No lecture.</b>
T Nov 17	Attention, spatial behavior, and related syndromes Chapters 21, 22
R Nov 19	Neurological disorders Chapter 26
T Nov 24	Plasticity and recovery from injury Chapters 23 (pp. 656-669), 25
R Nov 26	Psychiatric disorders Chapter 27
T Dec 1	Developmental disorders Chapter 24
R Dec 3	Neuropsychological assessment and the role of the neuropsychologist Chapter 28
T Dec 8	Open question period: What you were dying to ask but didn't <b>Fall Term Lectures End. Last day to withdraw with permission from Fall Term half courses.</b>
Dec 11-22	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**

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-and-course-information#mues>. 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 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 8, 2015**

### **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

[socialsciirep@su.ucalgary.ca](mailto:socialsciirep@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 September 18, 2015**. Last day for registration/change of registration is **September 21, 2015**. The last day to withdraw from this course is **December 8, 2015**.