

PSYC 479 (NEUR 479)
Human Neuropsychology
Fall 2017

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Phone:	403-220-7291	Lab 1 TA:	Jennaya Christensen (jennaya.christens1@ucalgary.ca)
Email:	brandy.callahan@ucalgary.ca	Lab 1 Location:	AD 051/053
Office:	AD 131C	Lab 1 Days/Time:	W 14:00 - 15:50
Office Hours:	R 10:45 - 13:00, with some exceptions, or by request	Lab 2 TA:	Jhen Vijaya Shankara (jhenkruthi.vijayasha@ucalgary.ca)
Lecture Location:	SH 288	Lab 2 Location:	AD 248
Lecture Days/Time:	TR 09:30 - 10:45	Lab 2 Days/Time:	F 14:00 - 15:50

Course Description

This course provides an integration of the literature on human brain damage with the evidence from animal and human lesion research. Topics include developmental neuropsychology; cognitive deficits associated with frontal, parietooccipital, and temporal lobe damage; origins and mechanisms in the determination of cerebral dominancy; disorders of learning and memory; long-term effects of cerebral lesions.

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), and the expected level of achievement.

Course Learning Outcomes	Assessment Methods	PLO(s)	Level(s)
Understand empirically-based approaches to psychological and neuropsychological assessment	Midterm and final exams	1	C
Apply knowledge about human neuropsychological functioning to infer conclusions about behavior	Midterm and final exams, in-class discussions	1, 7	C
Understand and explain the neural substrates associated with specific areas of cognitive functioning and their related disorders	Lab quizzes, midterm and final exams, lab presentation	1, 7	C
Identify, critically evaluate and synthesize research findings related to a topic in human neuropsychology	Lab presentation	2, 3, 4, 5	A
Explain how various cognitive disorders result from changes or damage to the human brain	Lab quizzes, midterm and final exams, lab presentation	1	C
Formulate original questions by drawing connections among elements within the course	Student-generated exam questions	1, 2, 4, 7	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

Psych 312 – Experimental Design and Quantitative Methods for Psychology and Psych 375 – Brain and Behaviour and admission to the Psychology major or Honours program or to the minor in Speech-Language Sciences for Linguistics Majors.

Required Text

Kolb & Whishaw (2015), Fundamentals of Human Neuropsychology, Seventh Edition. Hard copies available at the University Bookstore. Please speak to me if you are unable to procure the textbook for any reason.

Assessment Methods

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

Course component	Weight	Due date
Lectures		
Midterm exam (multiple-choice, short/long answer) Lectures Sept. 12-Oct. 9 + associated readings	25%	Oct. 10 (in class)
Final exam (multiple-choice, short/long answer) Lectures Oct. 12-Dec. 8 + associated readings	30%	<i>Date & location TBD</i>
Five student-generated exam questions Two questions from Sept. 12-Oct. 9 Three questions from Oct. 12-Dec. 8	5%	Oct. 1 (on D2L) Dec. 8 (on D2L)
Lab		
Presentation	15%	<i>Dates and topics to be determined by lab TA</i>
Neuroanatomy Quiz #1	5%	
Neuroanatomy Quiz #2	10%	
Neuroanatomy Quiz #3	10%	

Midterm and Final Exams

The midterm (October 10 in class, worth 25% of the final grade) and final exam (date and location TBD, worth 30% of the final grade) will be based on lecture material, textbook and supplemental readings. Both exams will consist of a mix of multiple-choice, short answer, and long answer questions. The midterm will cover content from weeks Sept. 12-Oct. 9, and the final will cover the remainder of the semester’s content. Material covered on the midterm will not be explicitly covered in the final exam, but knowledge from the first portion of the course may be necessary to answer certain questions on the final. No materials are permitted during exams (e.g. Phones, iPods, iPads, computers, books, notes, etc.). Please refer to *Absence from a test/exam* section in case of absence from the midterm or final exam.

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. Quizzes 1, 2 and 3 will be worth 5%, 10% and 10% respectively. The dates will be determined in the first week of class by the lab TA.

Presentations

A topic will be assigned to each of the weekly laboratories. 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), 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). The presentation should last half an hour and will be worth 15% of your final grade.

If you or your partner are absent on the day of your scheduled presentation, the presentation will be re-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 a presenter was absent from their scheduled presentation and the appropriate documentation was 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 the lab TA).

Student-Generated Exam Questions

Students are asked to write five multiple-choice or short-answer questions (and answers!) for the midterm (2 questions) and final (3 questions) exams. Examples on how to write effective questions can be found here: <https://cft.vanderbilt.edu/guides-sub-pages/writing-good-multiple-choice-test-questions/> and here: <https://uwaterloo.ca/centre-for-teaching-excellence/teaching-resources/teaching-tips/developing-assignments/exams/questions-types-characteristics-suggestions>. When writing a short-answer question, please indicate what items you think must be present in the response to qualify as a correct answer.

All questions must be submitted via D2L, on the "Student-generated exam questions" discussion board so that they can be used as review material by all students prior to exams. Questions that have already been submitted by one student cannot be re-submitted by another student. Each submitted question will be given 1%. A subset of submitted questions will be used on the midterm and final exams. Questions submitted for the midterm are due by October 1, and questions submitted for the final exam are due by December 8. Questions submitted after these deadlines will not be considered or graded.

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 in this course 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
M Sep 11	University Lectures begin.
T Sep 12	Lecture begins Introductions; The Development of Neuropsychology: Ch. 1
R Sep 14	Brain development and organization: Ch. 23-24
T Sep 19	Differentiation of function: Ch. 23-24
R Sep 21	Nervous system organization: Ch. 3
F Sep 22	<i>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.</i>
M Sep 25	<i>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.</i>
T Sep 26	Organization of the sensory systems: Ch. 8
R Sep 28	Organization of the motor systems: Ch. 9
F Sep 29	<i>Fee payment deadline for Fall Term full and half courses.</i>
S Oct 1	Deadline to submit 2 midterm exam questions
T Oct 3	Neuronal structure: Ch. 4
R Oct 5	Communication between neurons: Ch. 5

M Oct 9	<i>Thanksgiving Day, University closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.</i>
T Oct 10	Midterm exam
R Oct 12	The occipital lobes, the visual system and related disorders: Ch. 13
T Oct 17	The parietal lobes and apraxias: Ch. 14
R Oct 19	The temporal lobes: Ch. 15
T Oct 24	The frontal lobes: Ch. 16
R Oct 26	Learning, memory and amnesic syndromes: Ch. 18
T Oct 31	Language abilities and aphasias: Ch. 19
R Nov 2	Spatial behavior: Ch. 21
T Nov 7	Attention and consciousness: Ch. 22
R Nov 9	Catch-up (spillover from previous weeks) and Q&A
M Nov 13	<i>Remembrance Day (Observed). University Closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.</i>
T Nov 14	Neuropsychological assessment: Ch. 28
R Nov 16	Emotion and the social brain: Ch. 20
T Nov 21	Guest lecture: "Sleep and social cognition" by Veronica Guadagni, PhD
R Nov 23	Neuroimaging: Ch. 7
T Nov 28	Cognitive rehabilitation: Ch. 25
R Nov 30	Neurodevelopmental disorders: Ch. 24
T Dec 5	Neurological disorders: Ch. 26
R Dec 7	Psychiatric conditions: Ch. 27
F Dec 8	Deadline to submit 3 final exam questions <i>Fall Term Lectures End. Last day to withdraw with permission from Fall Term half courses.</i>
Dec 11-21	Fall Term Exam Period.

Reappraisal of Grades

A student who feels that a piece of graded term work 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 Accommodations

The student accommodation policy can be found at: ucalgary.ca/access/accommodations/policy.

Students needing an Accommodation because of a Disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities ucalgary.ca/policies/files/policies/student-accommodation-policy. Students needing an Accommodation based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the instructor.

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. 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. 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 students 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.

Acknowledgments and Respect for Diversity

Our classrooms view diversity of identity as a strength and resource. Your experiences and different perspectives are encouraged and add to a rich learning environment that fosters critical thought through respectful discussion and inclusion. The Department of Psychology would also like to acknowledge the traditional territories of the people of the Treaty 7 region in southern Alberta. The City of Calgary is also home to Métis Nation of Alberta, Region III.

Campus Mental Health Strategy

The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the excellent mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, <https://www.ucalgary.ca/wellnesscentre/services/mental-health-services>) and the Campus Mental Health Strategy website (<http://www.ucalgary.ca/mentalhealth/>).

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, 2017**.

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
Student Union Faculty Rep.: 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 (<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 22, 2017**. Last day for registration/change of registration is **September 25, 2017**. The last day to withdraw from this course is **December 8, 2017**.