

Psychology/Neuroscience 479	Human Neuropsychology	Fall 2018
Instructor:	Dr. Ashley L. Ware	Lecture Location: SS 012
Phone:	403-220-2928	Lecture Days/Time: TR 11:00-12:15
Email:	Ashley.Ware@ucalgary.ca (please use "Psych 479" as your subject heading)	
Office:	AD 254	
Office Hours:	T/TH 12:30-1:30 (or by appointment)	

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.

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)
1) Compare and contrast major conceptual models of brain-behavior relationships.	Multiple choice and short answer exams; quizzes	1,	C, A
2) Describe predominant research methods used in cognitive/behavioral neuroscience and neuropsychology.	Multiple choice and short answer exams; quizzes	1	
3) Evaluate strengths and weaknesses of specific research studies in cognitive/behavioral neuroscience and neuropsychology.	Multiple choice and short answer exams; quizzes	1, 2,	
4) Identify major neuroanatomical structures and describe putative relationships between major neuroanatomical structures and major psychological functions.	Multiple choice and short answer exams; quizzes	1, 5	C, A

5) Evaluate the empirical evidence in support of putative brain-behavior relationships.	Multiple choice and short answer exams; quizzes	2, 7	A
6) Summarize major developmental, neurological, and psychiatric disorders in terms of presenting features, neuroanatomical/neurophysiological substrates, and putative causes.	Multiple choice and short answer exams; quizzes	1, 5, 7	I, C
7) Describe common methods of assessing neuropsychological functioning in research and clinical settings.	Multiple choice and short answer exams; quizzes	1, 4, 5, 7	I, C

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

Psychology 300, 301, 375 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. Also available as electronic version at <http://www.coursesmart.com/IR/8223251/9781429282956?hdv=6.8>

Evaluation

Course Component:	Weight:
<i>Lecture</i>	
Midterm Chapters 1, 3, 7- 8, 10-14, 17, 19, 23 (pp. 635-656)	25% (T Oct 15)
Final exam Chapters 9, 15, 16, 18, 20-28 (Chapter 23, pp. 656-669 only)	35% (TBA)

<i>Quizzes (in class)</i>	
Neuroanatomy Quiz #1	10% (Sept. 24)
Neuroanatomy Quiz #2	10% (Oct. 8)
Neuroanatomy Quiz #3	10% (Nov. 7)
Neuroanatomy Quiz #3	10% (Dec. 3)

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.

Anatomy Quizzes (held during class)

The anatomy quizzes will be based on lecture and textbook 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 will be given at the beginning of class and will not be given to individuals who are more than 5 minutes tardy (i.e., 11:05 AM). Please refer to *Absence From A Test/Exam* section in case of absence or tardiness from a quiz.

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
R Sep 5	Introductions. Cerebral organization Chapters 1, 3 <i>University Lectures begin</i>
T Sep 10	Brain systems and networks, and the concept of disconnection Chapters 10, 17
R Sep 12	Brain development and differentiation of function Chapter 23 (pp. 635-656) <i>Last day to drop a class without financial penalty</i>
F Sep 13	<i>Last day to add or swap a course</i>
T Sep 17	Cerebral asymmetry Chapters 11, 12
R Sep 19	Research methods in neuropsychology Chapter 7
F Sep 20	<i>Fee payment deadline for Fall Term full and half courses.</i>
T Sep 24	Language and the aphasia Chapter 19
R Sep 26	The occipital lobe Chapter 13
T Oct 1	The visual system and related disorders Chapters 8, 13
R Oct 3	The parietal lobe

	Chapter 14
T Oct 8	Somatosensory processes and the agnosias and apraxias Chapters 8, 14
R Oct 10	Lecture: "Assessment considerations across the lifespan."
<i>M Oct 14</i>	<i>Thanksgiving Day, University closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.</i>
T Oct 15	MIDTERM: Chapters 1, 3, 7- 8, 10-14, 17, 19, 23 (pp. 635-656)
R Oct 17	Lecture: Advanced neuroimaging approaches used in neuropsychological research
T Oct 22	The temporal lobe Chapter 15
R Oct 24	Memory and amnesiac syndromes Chapter 18
T Oct 29	The frontal lobe Chapter 16
R Oct 31	Dysexecutive syndromes Chapter 16
T Nov 5	Emotions and social neuroscience Chapter 20
R Nov 7	The motor system and the cerebellum Chapter 9
<i>Nov 11-16</i>	<i>Term break. No lectures.</i>
<i>M Nov 11</i>	<i>Remembrance Day (Observed). University Closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.</i>
T Nov 19	Attention, spatial behavior, and related syndromes Chapters 21, 22
R Nov 21	Neurological disorders Chapter 26
T Nov 26	Plasticity and recovery from injury Chapters 23 (pp. 656-669), 25
R Nov 28	Psychiatric disorders Chapter 27
T Dec 3	Developmental disorders

	Chapter 24
R Dec 5	Neuropsychological assessment and the role of the neuropsychologist Chapter 28 Open question period: What you were dying to ask but didn't!!
F Dec 6	<i>Fall Term Lectures End. Last day to withdraw with permission from Fall Term half courses.</i>
Dec 9-19	Fall Final Exam Period

Reappraisal of Graded Term Work <http://www.ucalgary.ca/pubs/calendar/current/i-2.html>

A student who feels that a piece of graded term work (term paper, essay, test, etc.) has been unfairly graded, may have the work reappraised as follows. The student shall discuss the work with the instructor **within ten business days** of being notified about the mark or of the item's return to the class. If not satisfied, the student shall take the matter to the head of the department offering the course **within 2 business days of receiving the decision from the instructor**, who will arrange for a reappraisal of the work **within the next ten business days**. The reappraisal will only be considered if the student provides a detailed rationale that outlines where and for what reason an error is suspected. Students in faculties without a departmental structure should take the matter to the dean, or designate, of the faculty offering the course. The result of that reappraisal will be given to the student in writing along with information about appealing the reappraisal.

The reappraisal of graded term work may cause the grade to be raised, lowered or to remain the same. There is no limit to the number of pieces of graded work that a student may request be reappraised, however a single piece of work may only be reappraised once.

Reappraisal of Final Grade <http://www.ucalgary.ca/pubs/calendar/current/i-3.html>

In the reappraisal of a final grade, the only element that will be considered is the grading of the final assessment that makes up the final mark (e.g., final examination, final project, final paper). An exception may occur when the Instructor of Record evaluates a piece of graded term work at the end of the term; that grade may also be considered in a reappraisal of final grade.

A student seeking a reappraisal of a final grade should first attempt to review the final assessment with the department or faculty offering the course. After which, the student shall obtain a Reappraisal of Final Grade form from ucalgary.ca/registrar (under Student Forms). The student must indicate exactly what error was made in marking the final assessment and/or in computing the final grade. The reappraisal will only be considered if the student provides a detailed rationale that outlines where and for what reason an error is suspected.

Students requesting a reappraisal of a final grade must submit their request by the following dates:

Fall Term – March 1

Winter Term – June 30

Spring Intersession – August 15

Summer Term – October 15

Supplemental Examinations: 30 calendar days from the date the examination was written

For information relating to Law, Veterinary Medicine and the Cumming School of Medicine (MD) courses, please refer to the faculty section.

The reappraisal form shall be submitted to Enrolment Services who will forward it to the department head or dean of the faculty offering the course. Reappraisals of final grades are dealt with by the head of the academic unit in consultation with members of academic staff. Normally, the department/faculty will respond to a reappraisal request within thirty calendar days of its initiation. After the reappraisal is completed, the department shall return the form to the Registrar's Office who shall inform the student in writing of the decision.

Students should be aware that the grade being reappraised may be raised, lowered or remain the same. A student may request a reappraisal of final for a maximum of two courses in one academic year (September 1 – August 31).

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.

Seating During Exams

Instructors and exam invigilators are free to ask students to move seats before an exam begins or even during an exam. Students must comply with this request and refusal to do so may warrant a charge of academic misconduct.

Absence From A Test/Exam

Makeup tests/exams are **NOT** an option without the approval of the instructor. A student may be asked to provide supporting documentation for an exemption/special request for a make-up exam <https://www.ucalgary.ca/pubs/calendar/current/n-1.html>. . Students who miss a test/exam have up to **48 hours** to contact the instructor to ask for a makeup test/exam. It's the instructor's discretion if they will allow a make-up 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. Once approved by the instructor 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 <https://www.ucalgary.ca/registrar/exams/deferred-exams>.

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 <https://www.ucalgary.ca/registrar/exams/deferred-exams>. Students with an exceptional extenuating circumstance (e.g., a family emergency) should contact the Department of Psychology (psyugrd@ucalgary.ca).

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 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.

Wellness and Mental Health Resources

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/>).

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.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 Thursday, September 12, 2019.** Last day add/swap a course is **Friday, September 13, 2019.** The last day to withdraw from this course is **Friday, December 6, 2019.**