

PSYC/NEUR 479	Human Neuropsychology	Fall 2021
Instructor: Julia Kam	Lecture Location: Online (asynchronous) In-person (SS 010)	
Phone: 403-220-5954	Lecture Day/Time: TR 11:00-12:15pm	
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Office Hours: TBD		

**Email: please enter "Psyc/Neur 479" in the subject line.*

Course Description

This course will integrate literature on human neuropsychology and neuroimaging to highlight research on human cognitive function and dysfunction. Course materials (lectures and textbook) provide a general introduction to neuroanatomy, cerebral organization, and research methods used by neuropsychologists. Other major topics include specific areas of cognitive functioning, their neural substrates, and related disorders (e.g., attention and neglect; memory and amnesia).

Course Website

The course website is on D2L at <https://d2l.ucalgary.ca>. This website contains all lecture videos and slides, important links to other resources, discussion platform, and more. You will also hand in your assignments via D2L. Please check it often.

Course Format

This course will be delivered with a blend of in-person and online components. The in-person classes will be held on campus, and the online classes will be delivered asynchronously. Refer to the Tentative Schedule for specific dates of each class. Class materials for each lecture will be posted to the course D2L page by the day/time of each scheduled class as per the course schedule. For some lectures, you will be expected to have watched the corresponding lecture videos in order to participate in discussions in class.

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 (<https://live-arts.ucalgary.ca/psychology/about#program-learning-outcomes>), and the expected level of achievement.

Course Learning Outcomes	Assessment Methods	PLO(s)	Level(s)
Describe neuropsychological approaches to understanding brain-behavior relationships	Quizzes	1	C
Identify patterns of neuroanatomical disruptions associated with different neuropsychological disorders	Quizzes	1, 7	C

Understand how these neuropsychological disorders impact cognitive and affective functions	Quizzes; Group Assignment	1, 7	C
Explain how neuropsychological disorders result from changes or damage to the human brain	Quizzes	1	C
Formulate original questions by drawing connections among elements within the course	Student-generated questions	1, 2, 4, 7	A
Critically evaluate and communicate empirical findings of neuropsychological studies to public	Group Assignment	1, 2, 4, 5, 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 in a diverse world, 7 = apply psychological knowledge and skills, 8 = Demonstrate multicultural competence and awareness of issues related to equity, diversity,* and inclusion. Level of PLO achievement facilitated by this course: I = introductory, C = competency, A = advanced.

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.

Prerequisites

Psych 300 & 301 – 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 Textbook

Kolb & Whishaw, Fundamentals of Human Neuropsychology, Seventh Edition (2015) or Eighth Edition (2020). Hard copies and electronic copies of the Eighth Edition (2020) are available at the University Bookstore. Please speak to me if you are unable to procure the textbook for any reason. Required and Supplemental readings (i.e. papers) will be provided on D2L.

Assessment Methods

Quizzes

All quizzes will be based on lecture material, textbook and supplemental readings. There are six quizzes in total. Each of the six quizzes are worth 12%, which sums up to 72% of the final grade. Quizzes will take approximately 20-25 minutes of class time; recorded lectures will be provided online after the quiz. They will consist of multiple-choice and/or short answer questions. Quizzes will be non-cumulative (i.e., material covered on earlier quizzes will not be explicitly covered in the later quizzes) but knowledge from earlier sections of the course may be necessary to answer certain questions on later quizzes. Refer to *Absence from an exam* section in case of absence from quizzes.

Quizzes in this course are open book. For this course, an open book quiz means that the use of class notes and the textbook is permitted. The use of online resources is prohibited. Students may not communicate with others about course material or the quiz either in person or electronically during quizzes. All quizzes

are timed, and will be available on D2L starting at 11:00am MT on the day of the quiz for 24 hours. Students can begin the quiz at a time that best suits their situation. Students have a 24 hour period to start a test or timed assessment. The instructor will be available from 10am to 6pm on the day of the quiz to answer questions about the exam. The quiz will be designed to be completed within the allotted class time, but students will also be provided with an additional 50% time to account for any technological issues (e.g. 20 min quiz would be set up to allow 30 min to be completed once it is started within the 24 hour period). Technology requirements for exam completion include a computer and internet access.

Student-Generated Questions

Students are asked to create two multiple-choice, short- answer questions (and answers) for any THREE quizzes. 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. For each student-generated question, half the credit will be given for the question portion and the other half for the answer portion. From generating your own questions, and reviewing your peers’ questions, the outcome of this assignment serves as review material in preparation for your quizzes.

All questions must be submitted via D2L, on the “Student-generated questions” discussion board prior to the quiz. Questions that have already been submitted by one student cannot be re-submitted by another student. *Note that you are asked to write two questions for each of the three quizzes. You may choose whichever three of the six quizzes to write these questions for. Each question is worth 2%, so each pair of questions is worth 4% of final grade. Questions must be submitted by 11:59pm MT on their due dates listed below. Questions submitted after the deadline will not be considered/graded.

Group Assignment

In this assignment, students are asked to work in groups of 2 or 3 to prepare a podcast that introduces a neurological disorder. The podcast should last around 15 minutes – the audio recording along with your script (up to 8 pages) will both need to be submitted. Students can choose from any of the neurological disorders discussed in lectures or in the textbook. The ability to critically evaluate empirical findings and communicate them to the general public is important for scientists. Therefore, the purpose of this assignment is to encourage critical evaluation of research findings and presentation of such findings in the form of a podcast intended for the general public. Evaluation criteria will be available on D2L after week 2. Assignments are worth 16% and are due 11:59pm MT on November 30. One student from the group will submit the assignment via D2L. With instructor approval, late assignments will be penalized 10% per day including weekends.

Course component	Weighting	Due date
Quizzes (72% total)	72%	
Quiz 1 (covers all lecture materials for L1-L4)	12%	Sep 21
Quiz 2 (covers all lecture materials for L5-L7)	12%	Oct 5
Quiz 3 (covers all lecture materials for L8-L9)	12%	Oct 19
Quiz 4 (covers all lecture materials for L10-L11)	12%	Nov 2

Quiz 5 (covers all lecture materials for L12-L13)	12%	Nov 18
Quiz 6 (covers all lecture materials for L14-L16)	12%	Dec 7
Student-generated questions (12% total = 4% each x 3)	12%	
Questions about Quiz 1 materials		Sep 19
Questions about Quiz 2 materials		Oct 3
Questions about Quiz 3 materials		Oct 17
Questions about Quiz 4 materials		Oct 31
Questions about Quiz 5 materials		Nov 16
Questions about Quiz 6 materials		Dec 5
Group Assignment	16%	Nov 30

University of Calgary Academic Integrity Policy

Academic integrity is the foundation of the development and acquisition of knowledge and is based on values of honesty, trust, responsibility, and respect. We expect members of our community to act with integrity. Research integrity, ethics, and principles of conduct are key to academic integrity. Members of our campus community are required to abide by our institutional code of conduct and promote academic integrity in upholding the University of Calgary's reputation of excellence. It is your responsibility to ensure that you have read and are familiar with the student academic misconduct policy: <https://www.ucalgary.ca/policies/files/policies/student-academic-misconduct-policy.pdf>.

Department of Psychology Criteria for Letter Grades

Psychology course instructors 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%

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	Topic / Due Date	Lecture Materials
T Sep 7	Introductions Lecture 1 (L1): Intro to Neuropsychology First day of lectures	Chapter 1
R Sep 9	L2: Brain Development	--
T Sep 14	L3: Cerebral Organization	Chapter 1
R Sep 16	L4: Research Methods Last day to drop a class without financial penalty	Chapter 7
F Sep 17	Last day to add or swap a course	
T Sep 21*	Quiz 1 (L1-L4) L5: Neuropsychology Concepts	Chp 1, 7 --
R Sep 23	L6: Sensory Systems	Chapter 8
F Sep 24	Fee payment deadline for Fall Term full and half courses.	
T Sep 28	L7: Motor Systems	Paper
R Sep 30	National Day for Truth and Reconciliation. No lectures.	
T Oct 5*	Quiz 2 (L5-L7) L8a: Occipital Lobe Functions and Dysfunctions	Chp 8 + paper --
R Oct 7	L8b: Occipital Lobe Functions and Dysfunctions	Chapter 13
M Oct 11	Thanksgiving Day, University closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.	
T Oct 12	L9a: Parietal Lobe Functions and Dysfunctions	Chapter 14
R Oct 14	L9b: Parietal Lobe Functions and Dysfunctions	Chapter 14
T Oct 19*	Quiz 3 (L8-L9) L10a: Temporal Lobe Functions and Dysfunctions	Chp 13, 14 --
R Oct 21	L10b: Temporal Lobe Functions and Dysfunctions	Chapter 15
T Oct 26	L11a: Frontal Lobe Functions and Dysfunctions	Chapter 16
R Oct 28	L11b: Frontal Lobe Functions and Dysfunctions	Chapter 16

T Nov 2*	Quiz 4 (L10-L11) L12a: Language and Aphasia	Chp 15, 16 --
R Nov 4	L12b: Language and Aphasia	Chapter 19
Nov 7-13	Term Break No Classes. Nov 11 th Remembrance Day (Observed). University Closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.	
T Nov 16	L13a: Internal Attention	Paper
R Nov 18	L13b: External Attention	--
T Nov 23*	Quiz 5 (L12-L13) L14a: Emotion and Social Cognition	Chp 19 + Paper --
R Nov 25	L14b: Emotion and Social Cognition	Paper
T Nov 30	L15: Learning, Memory, and Amnesia *Group Assignment due	Chapter 18
R Dec 2	L16a: Guest Lecture	
T Dec 7	L16b: Neurological Disorders	Chapter 26
R Dec 9*	Quiz 6 (L14-L16) Fall Term Lectures End. Last day to withdraw with permission from Fall Term half courses.	Chp 18, 26 + Paper
Dec 11-22	Final Exam Period	

** dates indicate asynchronous online lectures; all other dates are delivered in person*

Course Credits for Research Participation

Extra Research Participation Course Credit is Not Offered for this Course.

Supporting Documentation

Students may be asked to provide supporting documentation for an exemption/special request. This may include, but is not limited to, a prolonged absence from a course where participation is required, a missed course assessment, a deferred examination, or an appeal. Students are encouraged to submit documentation that will support their situation. Supporting documentation may be dependent on the reason noted in their personal statement/explanation provided to explain their situation. This could be medical certificate/documentation, references, police reports, invitation letter, or a statutory declaration, etc. The decision to provide supporting documentation that best suits the situation is at the discretion of the student. Students cannot be required to provide specific supporting documentation, such as a medical note.

Students can make a Statutory Declaration as their supporting documentation (available at ucalgary.ca/registrar). This requires students to make a declaration in the presence of a Commissioner for Oaths. It demonstrates the importance of honest and accurate information provided and is a legally binding declaration. Several registered Commissioners for Oaths are available to students at no charge, on campus, please see ucalgary.ca/registrar.

Falsification of any supporting documentation will be taken very seriously and may result in disciplinary action through the Academic Discipline regulations or the Student Non-Academic Misconduct policy.

Absence From A Test/Exam

Makeup quizzes are **NOT** an option without the approval of the instructor. If students miss a quiz, they have up to 48 hours to contact the instructor to ask for a makeup quiz. It's the instructor's discretion if they will allow a make-up quiz or re-weighting of quizzes. Students who do not schedule a makeup quiz with the instructor within this 48-hour period forfeit the right to a makeup quiz or for the quiz to be re-weighted. At the instructor's discretion, a makeup quiz may differ significantly (in form and/or content) from a regularly scheduled quiz. Once approved by the instructor a makeup quiz must be written within 2 weeks of the missed quiz on a day/time scheduled by the instructor.

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 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).

Reappraisal of Term Work or Final Grade

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

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

Academic Accommodations

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/. 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 <https://www.ucalgary.ca/legal-services/university-policies-procedures/accommodation-students-disabilities-procedure>.

Academic Misconduct

For information on academic misconduct and its consequences, please see the University of Calgary Calendar at <http://www.ucalgary.ca/pubs/calendar/current/k.html>

Instructor Intellectual Property

Course materials created by professor(s) (including course outlines, presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the professor(s). These materials may NOT be reproduced, redistributed or copied without the explicit consent of the professor. The posting of course materials to third party websites such as note-sharing sites without permission is

prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

Copyright Legislation

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorized sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

Freedom of Information and Protection of Privacy

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary

Student Support and Resources

<https://www.ucalgary.ca/registrar/registration/course-outlines>

Important Dates

The last day to drop this course with no "W" notation and **still receive a tuition fee refund is Thursday, September 16, 2021.** Last day add/swap a course is **Friday, September 17, 2021.** The last day to withdraw from this course is **Wednesday, Dec 8, 2021.**

<https://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html>