



ORIGINAL COURSE IMPLEMENTATION DATE: January 2002
 REVISED COURSE IMPLEMENTATION DATE: January 2025
 COURSE TO BE REVIEWED (six years after UEC approval): September 2030
 Course outline form version: 26/01/2024

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: PSYC 380		Number of Credits: 3 <u>Course credit policy (105)</u>													
Course Full Title: Neuropsychology Course Short Title: Neuropsychology															
Faculty: Faculty of Social Sciences		Department (or program if no department): Psychology													
Calendar Description: Students explore areas of both clinical and experimental neuropsychology. Topics include the assessment of cognitive and behavioural functions such as memory, language, attention, and spatial skills; the nature of neurodegenerative diseases and other forms of neuropathology such as Alzheimer's disease, Parkinson's disease, and traumatic brain injury; the treatment of brain pathology; and the application of information gained through the study of patients to the understanding of the nervous system.															
Prerequisites (or NONE):		PSYC 280.													
Corequisites (if applicable, or NONE):		None.													
Pre/corequisites (if applicable, or NONE):		None.													
Antirequisite Courses (<i>Cannot be taken for additional credit.</i>) Former course code/number: PSYC 491A Cross-listed with: N/A Equivalent course(s): <i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>		Course Details Special Topics course: No <i>(If yes, the course will be offered under different letter designations representing different topics.)</i> Directed Study course: No <i>(See policy 207 for more information.)</i> Grading System: Letter grades Delivery Mode: May be offered in multiple delivery modes Expected frequency: Twice per year Maximum enrolment (for information only): 25													
Typical Structure of Instructional Hours		Prior Learning Assessment and Recognition (PLAR) PLAR is available for this course.													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Lecture/seminar</td> <td style="width: 20%; text-align: center;">45</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td style="text-align: right;">Total hours</td> <td style="text-align: center;">45</td> </tr> </table>		Lecture/seminar	45									Total hours	45	Transfer Credit (<i>See bctransferguide.ca.</i>) Transfer credit already exists: Yes Submit outline for (re)articulation: No <i>(If yes, fill in transfer credit form.)</i>	
Lecture/seminar	45														
Total hours	45														
Scheduled Laboratory Hours Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		Department approval													
Faculty Council approval		Date of meeting: April 2024													
Undergraduate Education Committee (UEC) approval		Date of meeting: May 3, 2024													
		Date of meeting: September 27, 2024													

Learning Outcomes (These should contribute to students' ability to meet program outcomes and thus Institutional Learning Outcomes.)

Upon successful completion of this course, students will be able to:

1. Critically evaluate the investigative and diagnostic methodology used in both clinical and experimental neuropsychology.
2. Examine the complex process of applying diagnostic criteria to individuals.
3. Apply current understanding of the brain systems underlying complex psychological, physiological, and cognitive functions.
4. Examine the neuroanatomical, neurophysiological, psychological, and behavioural correlates of neurological and psychiatric disorders.
5. Critically assess neuropsychological research.
6. Critically evaluate the historical and colonial influences present within neuropsychological research and methodology.

Recommended Evaluation Methods and Weighting (Evaluation should align to learning outcomes.)

Quizzes/tests:	30%	Assignments:	35%		%
Final exam:	35%		%		%

Details:

Assignments include a paper worth 20%.

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Instructional Methods (Guest lecturers, presentations, online instruction, field trips, etc.)

Lectures, small group/individual presentations, discussion, models and charts.

Texts and Resource Materials (Include online resources and Indigenous knowledge sources. Open Educational Resources (OER) should be included whenever possible. If more space is required, use the Supplemental Texts and Resource Materials form.)

Type	Author or description	Title and publication/access details	Year
1. Textbook	Kolb, B. and Whishaw, I.Q.,	Fundamentals of Human Neuropsychology, 8th Edition, Worth.	2021
2. Textbook	M. R. Schoenberg & J. G. Scott.	The Little Black Book of Neuropsychology: A Syndrome-Based Approach	2011
3. Article	Coltheart, M.	What has functional neuroimaging told us about the mind (so far)? <i>Cortex</i> ;42(3), 323-331.	2006
4. Article	Henson, R.	What has (neuro) psychology told us about the mind (so far)? A reply to Coltheart (2006). <i>Cortex</i> , 42(3), 387-392.	2006
5.			

Required Additional Supplies and Materials (Software, hardware, tools, specialized clothing, etc.)**Course Content and Topics**

- Brief history of neuropsychology
- Neuroanatomy and neurophysiology
- Neuro-investigative techniques and assessment
- Cortical organization: sensory and motor systems
- Cortical organization: principles of neocortical function, cerebral asymmetry, and laterality
- Attention and spatial behaviour
- Learning, memory, and language
- Emotion and social behaviour
- Neurological and psychiatric disorders
- Neuroplasticity and recovery of function