

**HUMAN NEUROPSYCHOLOGY**  
**PSYC-3910/3**  
**Fall 2017**

**COURSE OUTLINE**

Instructor: Dr. Bruce Bolster  
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**REQUIRED TEXT:**

Kolb, B., & Whishaw, I. Q. Fundamentals of Human Neuropsychology (7th Edition).  
Worth Publishers

**CALENDAR DESCRIPTION OF COURSE:**

The course assumes basic knowledge of neuroanatomy and focuses on the understanding of neural function provided by a study of congenital structure, brain injury, brain disease, and behavioural loss. Topics include the following: developmental anomalies and associated behaviours; plasticity and recovery of function following insult or disease; localization of function; hemispheric specialization; epilepsy.

**COURSE OVERVIEW:**

This course is intended as an introduction to the theory and practice of clinical neuropsychology – assessing and treating the impact of brain injury and disease on psychological function. Primary emphasis will be on diseases and conditions that impact cognitive function, including congenital and developmental conditions in children, acquired brain injury, and infectious and degenerative diseases. Brain and mind will be considered as a set of functional systems, and the conditions that affect each system will be reviewed in detail.

**Prerequisite:** PSYC-2900/3 Physiological Psychology I.

## TOPIC OUTLINE:

1. Overview: The brain as a hierarchical system, including:
  - principles of organization in the working brain
  - review of the functional anatomy and development of the human brain

**Reading:** Text Chapters 1,10,11,12

2. Clinical Neuropsychology I: Diagnostic and inferential techniques, including:
  - clinical examination
  - neuropsychological testing
  - neuroimaging

**Reading:** Text Chapters 6, 28

3. Clinical Neuropsychology II: Neurological Disorders

**Reading:** Text Chapters 26,27

4. Sensory and Perceptual Systems

**Reading:** Text Chapters 8, 13,14,15,21

5. Movement and Action

**Reading:** Text Chapters 9,16

6. Disorders of Memory and Attention

**Reading:** Text Chapters 18,22

7. Disorders of Language

**Reading:** Text Chapter 19

8. Feelings and Emotions

**Reading:** Text Chapter 20

9. Development and Recovery of Brain Function

**Reading:** Text Chapters 23,24,25

GRADING:

There will be two tests - a mid-term, worth 30% of the total grade, and a final, worth 40%. Test format will include a mixture of short-answer and essay-type questions. The remaining 30% of the grade will be based on an essay, due no later than **November 28**. This essay should be of approximately 4,000 words in length, not including the reference section, which should be prepared in APA style. The essay will be based on a topic chosen by the student in consultation with the instructor, and will review scientific literature in that topical area.

**NOTE:** The final date for Voluntary Withdrawal (VW) without academic penalty is: **November 10**.

GRADE COMPUTATION:

Grade point totals, determined by the above formula, will be converted to letter grades according to the following scale:

A+	95 - 100
A	85 - 94
A-	80 - 84
B+	75 - 79
B	70 - 74
C+	65 - 69
C	55 - 64
D	50 - 54
F	0 - 49

**NOTE:** These cutoffs are tentative and subject to change in either direction.

EXAMPLES OF GRADE COMPUTATION:

<u>Student</u>	<u>Midterm/30</u>	<u>Essay/30</u>	<u>Final/40</u>	<u>Total</u>	<u>Grade</u>
Ann Dorphin	20	14	26	60	C
Sarah Tonin	28	24	34	86	A

TEST DATES: (*All tests will be written in Room 3M60*)

*Fall mid-term Reading Week:* October 8-14, 2017  
*Midterm :* Tuesday, October 17, 11:30 –12:45  
*Final Examination:* Tuesday, December 12, 9:00 – 11:00 (2 hours)

## Appendix: University Policies

Students with documented disabilities, temporary or chronic medical conditions, requiring academic accommodations for tests/exams (e.g., private space) or during lectures/laboratories (e.g., access to volunteer note-takers) are encouraged to contact Accessibility Services (AS) at 786-9771 or email [accessibilityservices@uwinnipeg.ca](mailto:accessibilityservices@uwinnipeg.ca) to discuss appropriate options. Specific information about AS is available on-line at <http://www.uwinnipeg.ca/accessibility>. All information about a student's disability or medical condition remains confidential.

Students should be familiar with the Regulations and Policies section of the *Course Calendar* dealing with academic regulations and policies including Senate appeals and academic misconduct (e.g. plagiarism, cheating)

Students facing a charge of academic or non-academic misconduct may choose to contact the University of Winnipeg Students' Association (UWSA) where a student advocate will be available to answer any questions about the process, help with building a case, and ensuring students have access to support. For more information or to schedule an appointment, visit our website at [www.theuwsa.ca/academic-advocacy](http://www.theuwsa.ca/academic-advocacy) or call 204-786-9780.

All students, faculty and staff have the right to participate, learn and work in an environment that is free of harassment and discrimination. The UW Respectful Working and Learning Environment Policy may be found online at [www.uwinnipeg.ca/respect](http://www.uwinnipeg.ca/respect).

Students may choose not to attend classes or write examinations on holy days of their religion, but they must notify their instructors at least two weeks in advance. Instructors will then provide opportunity for students to make-up work and/or examinations without penalty.

A list of religious holidays can be found at:

<http://uwinnipeg.ca/academics/calendar/docs/important-notes.pdf>

We ask that you please be respectful of the needs of classmates and instructors/professors by avoiding the use of unnecessary scented products while attending lectures. Exposure to scented products can trigger serious health reactions in persons with asthma, allergies, migraines or chemical sensitivities. Please consider using unscented necessary products and avoiding unnecessary products that are scented (e.g. perfume).