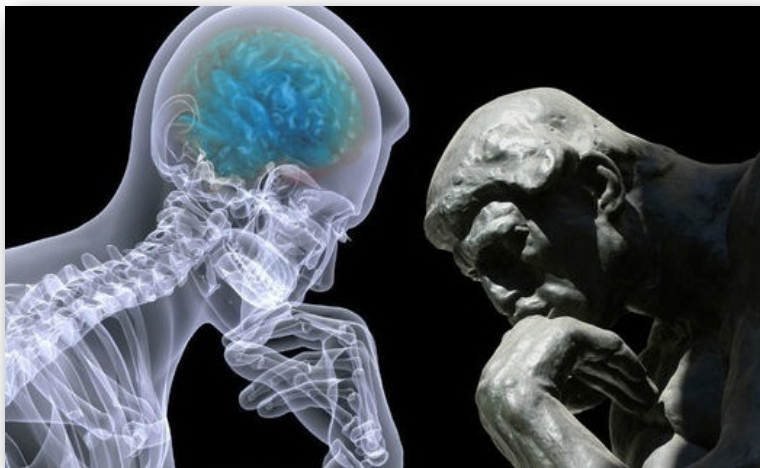
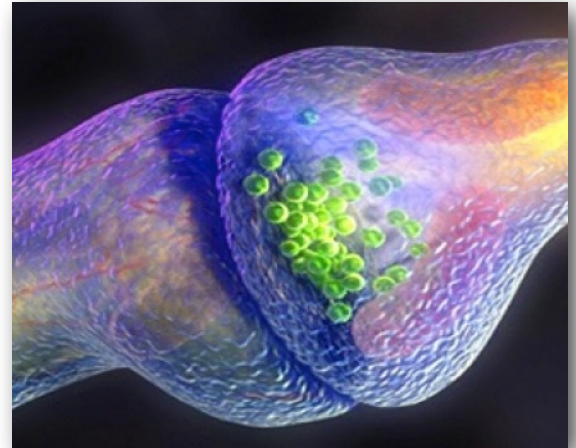




Department of Psychology

Tomorrow is  
created here.

# HUMAN BRAIN & BEHAVIOUR



AN  
INTRODUCTION  
TO  
HUMAN  
NEUROPSYCHOLOGY

Instructor

**Zachariah Campbell**

Teaching Assistants

**Laurie Hamel & Sathesan Thavabalasingam**

Lecture Details

**Mondays 1-3 PM (AA112) / Blackboard (WebOption)**

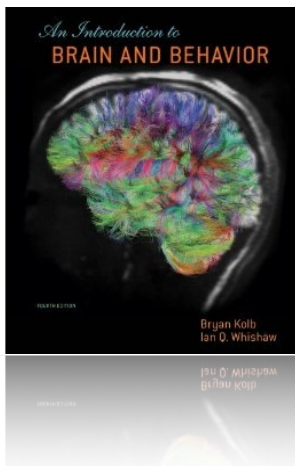
Contact (Office hours TBA on Blackboard)

**[psyb65@utsc.utoronto.ca](mailto:psyb65@utsc.utoronto.ca)**

## COURSE OBJECTIVE

Neuropsychology is the study of the relationship between human behaviour and brain function. In this course, we will explore the structure and function of the human nervous system while contrasting between both normal behaviour and pathological presentations (neurological and psychiatric). In addition to structural/functional neuroanatomy, specific areas of coverage will include a history of neuropsychology, brain evolution, neurophysiology, psychopharmacology, neuroimaging techniques, neuropsychological assessment, and neurocognitive rehabilitation. Contributions from clinical and experimental neuropsychology will also be explored in depth.

## REQUIRED MATERIALS



Kolb, B. & Whishaw, I. Q. (2014). *An Introduction to Brain and Behavior* (4th ed.). New York, NY: Worth Publishers.

The course will also utilize the **Neuroscience Tool Kit** which is an online learning tool that will be used to enhance and evaluate your ability to comprehend fundamental concepts through the use of interactive media.

The textbook and the NTK are available in the UTSC bookstore as a bundled package. If you obtain the book elsewhere, such as through CourseSmart (online textbook version), you may purchase a separate NTK access code at the UTSC bookstore.

## COURSE MATERIALS

All course materials including links to the recorded lectures, additional readings, links to media, and midterm grades will be made available exclusively on the **Blackboard Learning Portal**. Please be sure to check this site regularly to keep up with announcements made for this course.

## IMPORTANT NOTES

### Contact Information

All course related inquiries are to be directed to [psyb65@utsc.utoronto.ca](mailto:psyb65@utsc.utoronto.ca). We require that students contact us with their academic account (i.e., utsc or utoronto email) to abide by University policy and avoid fraudulent representation of your person. Email inquiries will be responded to within a reasonable time-frame (typically within 24-48 hours).

### Required Pre-Requisites

Both Introductory Psychology: Part I (PSYA01H3) and Introductory Psychology: Part II (PSYA02H3) must be successfully completed to officially enrol in this course. Please note that there are no exceptions.

### Required Pre-Requisite for other Courses

This course is a required pre-requisite for the following: Clinical Neuropsychology (PSYC31H3), Clinical Neuropsychology Laboratory (PSYC32H3), Cognitive Neuroscience (PSYC55H3), Diseases of the Brain and Mind (PSYC68H3), Clinical Psychopharmacology (PSYD35H3), and Current Topics in Human Brain and Behaviour (PSYD66H3).

### Academic Integrity

The [Code of Behaviour on Academic Matters](#) outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offences. Potential offences include, but are not limited to: 1) using/possessing unauthorized aids or looking at someone else's answers during an exam or test; 2) misrepresenting your identity or falsifying/altering any documentation required by the University such as doctor's notes.

### AccessAbility Resources

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the AccessAbility Services as soon as possible. AccessAbility Services staff (located in Room SW302, Science Wing) are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations 416-287-7560 or email: [ability@utsc.utoronto.ca](mailto:ability@utsc.utoronto.ca).

## GRADING SCHEME

### Midterm Test

There will be a midterm test (multiple-choice format) that will contribute approximately 50% towards the final grade (depending on the scheduling of the midterm by the registrar & content covered to date). The exact coverage and format will be posted on the Blackboard once the specific date, time and location is officially determined by the Office of the Registrar.

### Final Examination

The final examination (multiple-choice format) will be administered during the UTSC Final Examination Period (December 5-19). It will be worth approximately 50% and based on the the remaining content not covered by the midterm.

### Neuroscience Tool Kit

In addition to the above evaluative components, an online and interactive learning program (i.e., Neuroscience Tool Kit) worth up to 5% will be assigned that has two objectives. First, through the viewing of animations, models, and interacting with responsive elements, difficult brain-behaviour concepts will be better understood. Second, by completing assigned quizzes, students will be able to improve their mark beyond what they earn collectively across the midterm and final examinations.

## SESSIONAL DATES

### Dates

September 2  
September 15  
October 13  
October 14-18  
November 17  
December 1  
December 2-4  
December 4  
December 5-19  
December 22

### Detail

Classes begin in F and Y courses  
Last day to add F and Y courses  
Thanksgiving (University closed)  
Reading Week  
Last day to drop F courses without academic penalty  
Last day of classes and term assignments  
Study Break  
Last day to drop F courses with a LWD transcript indication  
Final examinations in F courses  
Beginning of December Break (University closed)

\*Regarding the Lecture Schedule, every effort will be made to maintain the posted lecture schedule but some deviation may occur depending on the content. Further, additional readings may be posted on the Blackboard.

# LECTURE SCHEDULE

<b>Lecture Date</b>	<b>Lecture Topic</b>	<b>Relevant Readings</b>
September 8	Course Introduction History of Neuropsychology	Chapter 1
September 15	Evolution of Brain and Behaviour Overview of Neuroanatomy	Chapters 1-2
September 22	Neuronal Structure Intracellular neurophysiology	Chapters 3-4
September 29	Intracellular Neurophysiology	Chapter 4
October 6	Synaptic Transmission	Chapter 5
October 13	Thanksgiving (no lecture)	
October 20	Midterm (In class)	
October 27	Nervous System Development	Chapter 8
November 3	Sensory & Motor Systems I	Chapters 9-12
November 10	Sensory & Motor Systems II	Chapters 9-12
November 17	Neurocognitive Function & Dysfunction I	Chapters 14-16
November 24	Neurocognitive Function & Dysfunction II	Chapters 14-16
December 1	Neuropsychological Assessment & Cognitive Rehabilitation	Chapters 14-16