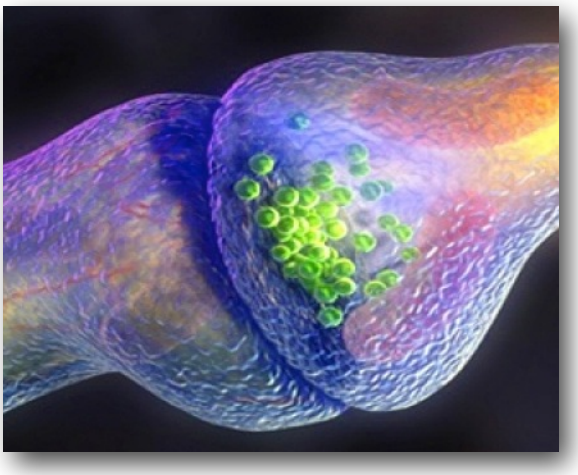
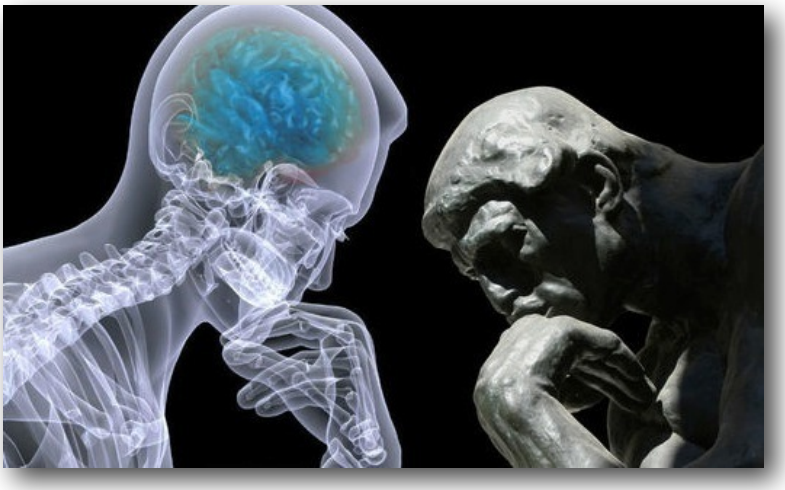
UTSC

Department of Psychology

Tomorrow is created here.

HUMAN BRAIN & BEHAVIOUR





AN INTRODUCTION TO HUMAN NEUROPSYCHOLOGY

Instructor

Zachariah Campbell

Instructor Office Hour

Wednesdays 2 PM to 3 PM

Lectures

Wed 11 PM to 2 PM in SY110

Teaching Assistants

Laurie Hamel & Dylan Yeates

TA Office Hour

TBA on Blackboard

Course contact

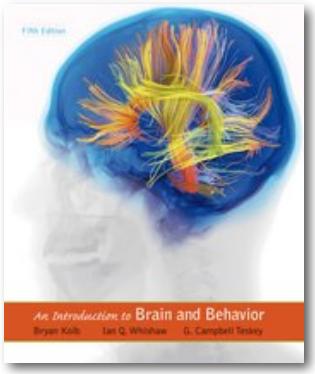
psyb65h3@utsc.utoronto.ca

PSYB65H3 F2016

COURSE OBJECTIVE

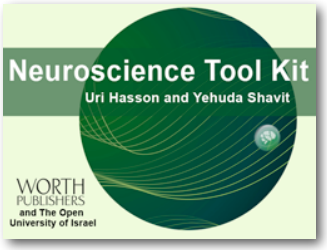
Neuropsychology is the study of the relationship between human behaviour and brain function. In this course, we will explore the structure and function of the human nervous system while contrasting between both normal behaviour and pathological presentations (neurological and psychiatric). In addition 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., & Campbell-Teskey (2016). ***An Introduction to Brain and Behavior*** (5th ed.). New York, NY: Worth Publishers.

The course will also utilize the **Neuroscience Tool Kit (LaunchPad)** 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 access codes for the NTK are available in the UTSC bookstore as a package or separately. Access codes can also be purchased separately from the publisher online. Details regarding LaunchPad & NTK will be discussed on week 2.

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

Course related inquiries are to be directed to **psyb65@utsc.utoronto.ca**. Office hours will be held weekly throughout the term on two alternative dates. Please refer to the calendar on the course Blackboard page for specific details.

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**.

EVALUATIVE COMPONENTS

Midterm Test

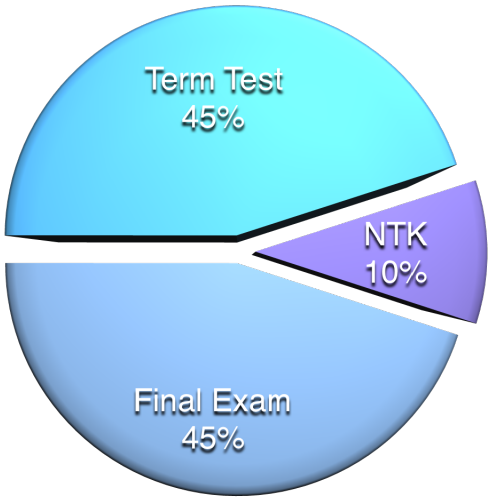
The midterm test, comprised of multiple-choice questions, will contribute towards approximately 45% of your final mark. The exact amount and the coverage of material on the term test will depend upon when the test is scheduled by the Office of the Registrar.

Important: The midterm may be scheduled as early as **Monday, October 17th** (the week after reading week) to as late as **Saturday, November 5th**. An announcement will be made on Blackboard and the course calendar within will be updated once the Office of the Registrar has confirmed the date.

Midterm Absences: There will be one make-up midterm exam to be held 1 to 2 weeks after the regular scheduled midterm (which is yet to be scheduled). Please also note that there is a new department-wide policy and set of procedures for missed term work (such as a midterm). These procedures must be followed by any student who is absent from the midterm due to a medical illness or emergency (please see the following page for details).

Final Examination

The final examination, also comprised of multiple-choice questions, will be administered during the UTSC Final Examination Period (December 5-20). It will be also worth approximately 45% of the final grade (i.e., the exact percentage yet to be determined in keeping with the yet to be scheduled midterm). The final exam will not be cumulative.



Neuroscience Tool Kit

An online and interactive learning program (i.e., LaunchPad NTK) worth 10% will be utilized that has two specific objectives. First, through the viewing of animations, models, and interacting with responsive elements, the rather challenging details of brain-behaviour concepts will be better understood. Second, by completing the modules and assigned quizzes, students will be able to easily improve their mark beyond what they earn across the midterm and the final examination.

MISSED TERM WORK DUE TO A MEDICAL ILLNESS OR EMERGENCY

New Department-Wide Policy and Procedures (Read carefully)
All students citing a documented reason for missed term work (this includes assignments and midterm exams) must bring their documentation to the Undergraduate Course Coordinator, Ainsley Lawson, **within three (3) business days** of the term test / assignment due date. All documentation must be accompanied by the departmental **Request for Missed Term Work form** (http:d//uoft.me/PSY-MTW).

In the case of missed term work due to illness, only an **original copy** of the **official UTSC Verification of Illness Form** (http://uoft.me/PSY-MED) will be accepted. Forms are to be completed in full, clearly indicating the start date, anticipated end date, and severity of illness. The physician's registration number and business stamp are required.

In the case of other emergency, a record of visitation to a hospital emergency room or copy of a death certificate may be considered.

Forms should be dropped off in SW427C between 9 AM - 4 PM, Monday through Friday. Upon receipt of the documentation, you will receive an email response from the Course Instructor / Course Coordinator within three business days. The Course Instructor reserves the right to decide what accommodations (if any) will be made for the missed work.

Note that this policy applies only to missed term work (assignments and midterms). Missed final exams are dealt with by the Registrar's Office (http://www.utsc.utoronto.ca/registrar/missing-examination).

Failure to adhere to any aspect of this policy may result in a denial of your request for accommodation.

SESSIONAL DATES

Dates	Detail
September 1	Classes begin in F and Y courses
September 8	First lecture in PSYB65H3
September 15	Deadline for registered students to add courses or make a section change on ACORN
October 10	Thanksgiving (University closed)
October 11-15	Reading Week
November 17	Deadline to drop courses without academic penalty and have them removed from transcript
November 29	Last lecture in PSYB65H3
December 1	Last day of classes and term assignments for F courses
December 2-3	Study Break
December 4	Deadline to request a late withdrawal from a UTSC course on eService
December 5-20	Final examination period for F courses
December 21	Beginning of December Break (University closed)

LECTURE / READING SCHEDULE

The lecture and required reading schedule is provided on the following page. The exact coverage of the midterm will depend on the exact date that the Office of the Registrar assigns for our course.

You will note that several chapters are not listed as required readings. This is intentional for the purposes of reducing your reading load and balancing out the content across the midterm and final exam. In lieu of these omitted readings, there will be some coverage of these topics in the lecture only.

Finally, please note that while the lecture material is designed to overlap with the textbook readings, they will not mirror one another in organization or content. That is, there will be material that is unique to the lectures as well as material that is only discussed in the textbook. To this end, all material from lecture and the assigned readings (including any supplements posted on Blackboard) will be considered testable material.

LECTURE / READING SCHEDULE

Lecture	Date	Lecture Topic	Textbook Readings
Lecture 1	Sep 7	History of neuropsychology and evolution of the nervous system	Chapter 1
Lecture 2	Sep 14	Anatomy of the nervous system and introduction to launchpad	Chapter 2
Lecture 3	Sep 21	Cellular neuroanatomy and development of the nervous system	Chapter 3
Lecture 4	Sep 28	Intracellular neurophysiology and synaptic transmission	Chapters 4-5
Lecture 5	Oct 5	Neuropsychopharmacology	Chapter 6
No lecture	Oct 12	Reading week	
Midterm	Oct 17-Nov 5	Please note that the midterm may be scheduled on any date from Monday, October 17th to Saturday, November 5th inclusive.	
Lecture 6	Oct 19	Neuroscience clinical-research methods and technology	Chapter 7
Lecture 7	Oct 26	Sensation and perception Visual and auditory systems	Chapters 9-10
Lecture 8	Nov 2	Somatomotor, vestibular, gustatory and olfactory systems	Chapter 11
Lecture 9	Nov 9	Neurological basis of emotion and sleep function	No required reading
Lecture 10	Nov 16	Neurocognitive functions I	Chapter 14
Lecture 11	Nov 23	Neurocognitive functions II	Chapter 15
Lecture 12	Nov 30	Neurological injury/disorder Assessment and intervention	Chapter 16