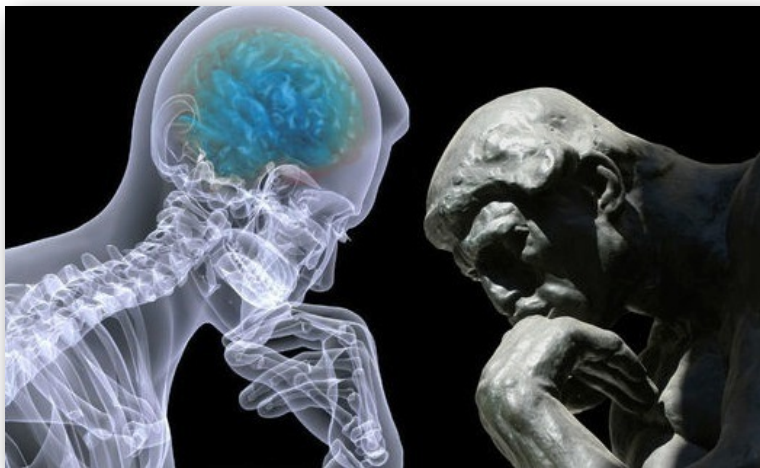
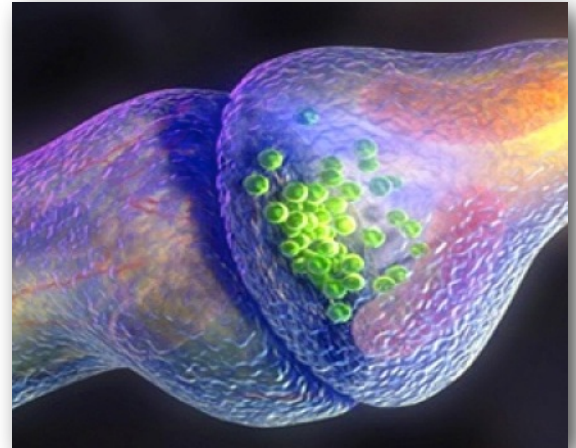




Department of Psychology

Tomorrow is
created here.

HUMAN BRAIN & BEHAVIOUR



AN
INTRODUCTION
TO
HUMAN
NEUROPSYCHOLOGY

Instructor

Zachariah Campbell

Teaching Assistants

Sath Thavabalasingam & Dean Carcone

Lecture Details

Blackboard (WebOption LectureCasts)

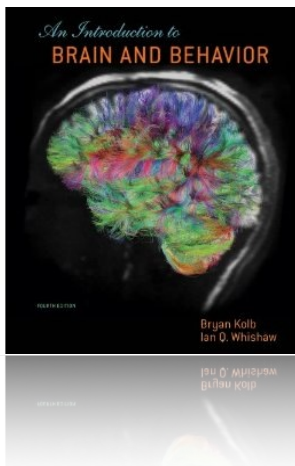
Contact (Office hours TBA on Blackboard)

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. 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.

GRADING SCHEME

Midterm Test

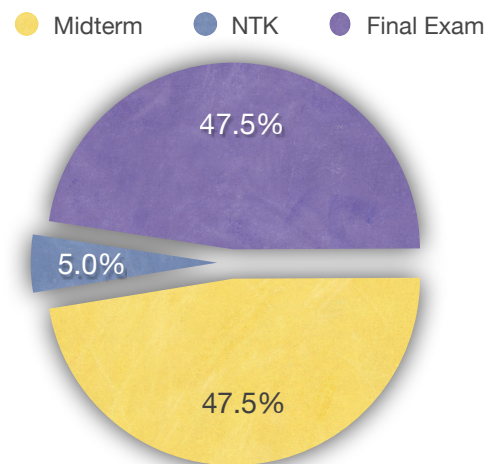
There will be a midterm test that will contribute approximately 47.5% towards the final grade (depending on the scheduling of the midterm by the registrar & content covered to date). The exact coverage and format will be posted on Blackboard once the specific date, time and location is officially determined by the Office of the Registrar.

Final Examination

The final examination will be administered during the UTSC Final Examination Period (August 7-20). It will be worth approximately 47.5% 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 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.



Examination Structure

The midterm test and final examination will be comprised of multiple-choice questions that are based on the readings as well as the content of the lectures.

Unless specified, all assigned readings are considered testable material for either evaluation.

Details about the exact structure of each test/examination (breakdown by topic/readings) will be announced one week prior to the scheduled midterm test and one week prior to the final examination period in August.

GRADING SCHEME (continued)

Missed Examinations

If a student is absent from a midterm examination due to illness or other extenuating circumstance, they are to contact the teaching assistants/instructor (through the course email account) as soon as possible to explain their absence. For medical reasons, students must use the University of Toronto Student Medical certificate. It can be downloaded on the UTSC website.

There will be one make-up opportunity for the midterm test for approved absences. This will take place approximately 1 to 2 weeks after the regular scheduled midterm. An announcement will be made several days after the regular scheduled midterm.

For approved absences from the make-up midterm test, students may be granted the opportunity to write an extended cumulative final examination that covers the entire course.

Matters concerning an absence from the final examination are dealt with solely by the Registrar's office.

SESSIONAL DATES

Dates

May 4

May 18

May 18

June 16 - June 20

July 1

July 20

August 3

August 4

August 5 - August 6

August 6

August 7 - August 20

Detail

Classes begin

Last day to add F and Y courses

Victoria Day (University closed)

Reading Week

Canada Day (University closed)

Last day to drop Y courses without academic penalty

Last day to add/remove CR/NCR mode of assessment for Y courses

Civic Holiday (University closed)

Last day of classes and term assignments

Study break

Last day to drop S and Y courses with LWD indicated

Final examination period

LECTURE SCHEDULE

Lecture Date	Lecture Topic	Relevant Readings
Week 1 Lecture Set 1	Course Introduction History of Neuropsychology	Chapter 1
Week 2 Lecture Set 2	Evolution of Brain and Behaviour Overview of Neuroanatomy	Chapters 1-2
Week 3 Lecture Set 3	Neuronal Structure Intracellular neurophysiology	Chapters 3-4
Week 4 Lecture Set 4	Synaptic Transmission	Chapter 4-5
Week 5 Lecture Set 5	Psychopharmacology	Chapter 5
Week 6 Lecture Set 6	Psychopharmacology (cont'd) & Investigative Techniques	Chapter 6-7
June 16-20	Reading Week	
Week 7 Lecture Set 7	Nervous System Development	Chapter 8
Week 8 Lecture Set 8	Sensory & Motor Systems I	Chapters 9-11
Week 9 Lecture Set 9	Sensory & Motor Systems II	Chapters 9-11
Week 10 Lecture Set 10	Sensory & Motor Systems III	Chapters 9-11
Week 11 Lecture Set 11	Neurocognitive Function & Dysfunction	Chapters 14-16
Week 12 Lecture Set 12	Neurocognitive Function & Dysfunction II	Chapters 14-16