

PSYB64

Introduction To Physiological Psychology

Tentative Schedule Fall 2019

- Professor: Dr. Janelle LeBoutillier
- Office Hours: Wed 1:30 to 2:30 in SW557
Extra office hours will be scheduled before and after tests. Monitor Quercus for these updates.
- Phone: 416-287-7430
- E-mail: psyb64@utsc.utoronto.ca
Please use the course email address for correspondence in this course.
- TAs: Cindy Tao
Sankirthana Sathiyakumar
- Textbook: Discovering Behavioral Neuroscience: An Introduction to Biological Psychology
4th Edition by Laura A. Freberg
- We will be using Mindtap this term for the course. You have options to access text material either electronically through Mindtap or purchase a printed copy of the text. Both options are available through the UTSC bookstore. You may also purchase the electronic version through the publisher directly if you are not on campus. Information on doing this is available in the Mindtap url below.
- <https://login.nelsonbrain.com/course/MTPN-5CWN-9GQJ>
- Refer to the Day 1 Mindtap instructions ppt under the Mindtap module on the home page to set up your account.
- Lectures: Tues 9 – 12
We will use Quercus for all course announcements and for links to lectures. Please monitor Quercus regularly for course updates. Assignments will be completed through Mindtap.

Course Description:

This course explores the biological bases of our experience and behaviour: the ways in

which bodily processes and states produce and control behaviour and cognition. Of equal importance, we will examine the ways in which behaviour, cognition and the environment exert their influence on bodily systems. This course is designed for psychology majors and specialists.

Most people are intrinsically curious about the genesis of behaviour---consider the proportion of everyday conversation that revolves around the motives and acts of the people and animals around us. On any given day, newspapers, magazines, TV and the web are full of intriguing and sometimes astonishing stories about how the brain functions. Many scientific disciplines contribute to these themes and this course will include research from psychologists, anatomists, biochemists, physiologists, etc.

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 Office as soon as possible. The sooner you let us know about your needs, the quicker we can assist you in achieving your learning goals in this course.

Learning Objectives

Learning objectives for this course are provided for each individual lecture to help you better assess your understanding at the end of each week's readings and lectures. We will highlight these at the start of each class.

In summary by the end of the course students should

- Recognize and describe a variety of research methods and skills common to behavioural neuroscience and how they are used in the field.
- Understand the functional, anatomical and physiological differences between neurons and glia and important neuronal events that occur during action potentials and at the synapse.
- Describe how the body maintains homeostasis and regulates basic body functioning with regard to sleep, thirst, hunger, and temperature.
- Identify and describe physiological mechanisms in learning, emotion and motivation, particularly focusing on the brain's role.
- Demonstrate the ability to organize and use time effectively to meet course deadlines

Tentative Schedule:

The following topics will be covered in the course. The weekly schedule is a guideline and some topics will take more or less than a lecture period to complete. Please note, the weeks in which quizzes will be held are indicated below and on Mindtap. The dates for the term tests and final exam are not yet confirmed. When I have this information it will be posted to Quercus.

Week	Topic	Chapter
1	Course Introduction Assignment Chap 1 Test	1
2	Anatomy and Evolution of the NS Assignment Chap 2 Test	2
3	Neurophysiology Virtual Lab Due by 5 pm on the Monday before lecture.	3
4	Psychopharmacology, Genetics and Development Bonus Quiz on Chap 5 due by 5 pm on the Monday before lecture.	4/5
5	Test 1	
6	Homeostasis, Motivation and Reward Virtual Lab Due by 5 pm on the Monday before lecture	9
	READING WEEK Oct 15-18	9
7	Sexual Behavior Assignment Chap 10 Test	10
8	Sleep and Waking Assignment Chap 11 Test	11
9	Learning and Memory Virtual Lab Due by 5 pm on the Monday before lecture	12
10	Test 2	
11	Emotions Aggression and Stress Virtual Lab due by 5 pm on the Monday before lecture	14
12	Neurological Disorders and Review	15

Due Dates for Test assignments (highlighted in blue):

These assignments should be completed by the end of the day on which the lecture is given. By completing these assignments on time you will benefit most from them and doing so will keep up with course content. However, assignments will not be determined to be late unless they are past these dates.

Due DATES FOR test 1 assignments Sept 23

Due Dates for Test 2 assignments Nov 11

Note: A mark of zero will be assigned for all late assignments. There will be no extensions granted for any work submitted after these extended due dates.

Due Dates for Virtual Labs (highlighted in yellow)

These assignments must be completed prior to the start of the lecture in which the content is covered. These dates are indicated above. You may choose to complete these labs at any time in the course prior to the due date. Late assignments will not be considered.

Grading Scheme

There will be 2 term tests, a final exam, 4 virtual lab assignments and 4 end of chapter assignments in this course. These are discussed below. You are responsible for all text and lecture material unless noted otherwise during the lecture.

20% of your Final Mark will be determined by your Performance on the 1st Term Test

This test will cover the topics listed above in weeks 1 through 4. The date for the test is indicated on the tentative schedule above. Specific details on the time and location you will write the test will be posted to Quercus. The test will consist of MC and short answer questions.

20% of your Final Mark will be determined by your Performance on the 2nd Term Test

This test will cover all topic listed above in weeks 6 through 9 inclusive. The date for the test is indicated on the tentative schedule above. Specific details on the time and location you will write the test will be posted to Quercus. The test will consist of MC and short answer questions

40% of your Final Mark will be determined by your Performance on the Final Exam

The final exam provides a comprehensive (cumulative) assessment of the course. The final exam will be similar in format to the 2 term tests.

12% of your Final Mark will be determined by your Performance on the Mindtap Virtual Lab Assignments.

Each virtual lab assignment is valued at 3% of your final grade. Be sure to complete the lab and answer the questions that follow.

8% of your Final Mark will be determined by your Performance on the End of Chapter Assignments in Mindtap.

Each end of chapter test assignment is valued at 2% of your final grade.

There are no make ups for these Mindtap assignments. If you miss an assignment you will be given a mark of zero. The due dates for all assignments are posted in the syllabus.

You have some flexibility as to when you complete your virtual labs and assignments in

Mindtap. I strongly encourage you to keep up with these assignments weekly. It is important to note that you must submit the end of chapter assignments and virtual labs before the deadline to receive credit. Simply starting the assigned of chapter test assignment before the 5 pm deadline is not sufficient to receive credit. The specific details of the assignments are listed below and are visible in Mindtap when you log on and create your account.

<https://login.nelsonbrain.com/course/MTPN-5CWN-9GQJ>

Bonus Assignment

Up to 2 % bonus in your final grade can be obtained through a bonus assignment in Quercus on Chapter 5 completed by the due date.

There will be no make-up term tests. All missed tests will automatically receive a grade of zero. If documentation is submitted and approved the weight of the missed term test may be reassigned to the final exam. See below for the process to be followed when a test is missed.

Please note: The University of Toronto's Code of Behaviour on Academic Matters applies to all University of Toronto Scarborough students. The Code prohibits all forms of academic dishonesty including, but not limited to, cheating, plagiarism, and the use of unauthorized aids. Students violating the Code may be subject to penalties up to and including suspension or expulsion from the University.

Missed Term Work due to Medical Illness or Other Emergency:

All students citing a documented reason for missed term work must submit their request for accommodations **within three (3) business days** of the deadline for the missed work.

Students must submit **BOTH** of the following:

- (1.) A completed **Request for Missed Term Work Accommodations form** (<http://uoft.me/PSY-MTW>), and
- (2.) **Appropriate documentation** to verify your illness or emergency, as described below.

Appropriate documentation:

For missed **TERM TESTS** due to **ILLNESS**:

- Submit the Request for Missed Term Work Accommodations form (<http://uoft.me/PSY-MTW>), along with an **original** copy of the official UTSC Verification of Illness Form (uoft.me/UTSC-Verification-Of-Illness-Form) or an **original** copy of the record of visitation to a hospital emergency room. 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.
- Note: If an end date of "ongoing" is specified, the medical note will be assumed to cover a period of two weeks. If no end date / an "unknown" end date is specified, the note will be assumed to cover a period of three business days (starting from illness start date.)

For missed **TERM TESTS** due to **ACCESSABILITY REASONS**:

- Meet with your **AccessAbility consultant** and have them email Keely (keely.hicks@utoronto.ca) detailing the accommodations required.

For missed **ASSIGNMENTS** due to **ILLNESS**:

- Submit the Request for Missed Term Work Accommodations form (<http://uoft.me/PSY-MTW>), along with a **hardcopy** of the Self-Declaration of Student Illness Form (uoft.me/PSY-self-declare-form).

For missed **ASSIGNMENTS** due to **ACCESSABILITY REASONS**:

- If your desired accommodation is **within the scope** of your Accommodation Letter (ex. your letter includes “extensions of up to 7 days” and you need 3 days), submit the Request for Missed Term Work Accommodations form (<http://uoft.me/PSY-MTW>) and attach a copy of your letter. **Specify how many days extension you are requesting** on the request form.
- If your desired accommodation is **outside the scope** of your Accommodation Letter (ex. your letter includes “extensions of up to 7 days” but you need more time than that) you will need to meet with your **AccessAbility consultant** and have them email Keely (keely.hicks@utoronto.ca) detailing the accommodations required.

For missed term tests or assignments in **OTHER CIRCUMSTANCES**:

Submit the Request for Missed Term Work Accommodations form (<http://uoft.me/PSY-MTW>), along with:

- In the case of a **death of a family member or friend**, please provide a copy of a death certificate.
- For U of T varsity-level or professional **athletic commitments**, an email from your coach or varsity administrator should be sent directly to Keely Hicks (keely.hicks@utoronto.ca) **well in advance** of the missed work, detailing the dates and nature of the commitment.
- For **religious accommodations**, please email (keely.hicks@utoronto.ca) **well in advance** of the missed work.
- For circumstances **outside of these guidelines**, please email Keely (keely.hicks@utoronto.ca) on or before the date of the test / assignment deadline to describe your circumstances and ask what documentation would be appropriate

Documents covering the following situations are NOT acceptable: medical prescriptions, personal travel, weddings/personal/work commitments.

Procedure:

Submit your (1.) [request form](#) and (2.) [medical/self-declaration](#)/other documents in person **WITHIN 3 BUSINESS DAYS** of the missed term test or assignment.

Submit to: Keely Hicks, Room SW420B, Monday – Friday, 9 AM – 4 PM. (Slide forms under door if out of office.)

After submitting your documentation, within approximately one to five business days, you will receive a response from your instructor detailing the accommodations to be made (if any).

You are responsible for checking your official U of T email and Quercus course announcements daily, as accommodations may be time-critical.

You should continue to work on your assignments to the best of your ability, as extension accommodations may be as short as one business day, depending on the nature of the

illness/emergency.

If an accommodation has been granted but you are unable to meet the conditions of the accommodation (ex. you need a longer extension, or you missed a make-up test), you will need to repeat the missed term work procedure and submit additional forms to request further accommodation. Note that in the case of a missed make-up test, an opportunity to write a second make-up test may not be provided.

Completion of this form does NOT guarantee that accommodations will be made. The course instructor reserves the right to decide what accommodations (if any) will be made. Failure to adhere to any aspect of this policy may result in a denial of your request for accommodation.

Missed Accommodations

If an accommodation is granted but a continued illness/emergency prevents you from meeting the requirements of your accommodation, you must repeat the missed term work procedure to request additional accommodations.

(E.g.) If you miss a make-up midterm, you would need to submit another Request for Missed Term Work Accommodations form. If your original medical note / documentation included the date of the make-up midterm, then only the Request form is required. If the date of the make-up midterm fell outside of the dates indicated on your original medical note/other documentation, then a new medical note/other appropriate documentation must also be submitted.

Importance of Three Business Day window:

If you are unable to submit your documents in-person within the three business day window, **you must email Keely (keely.hicks@utoronto.ca) within the three business day window** to explain when you will be able to bring your documents in person. Exceptions to the documentation deadline will only be made under **exceptional circumstances**. Attach scans of your documentation, and be prepared to bring your documents to Keely in-person as soon as you are well. Late documents may not be accepted.

NOTE: Assignments due at end of term

Instructors cannot accept term work any later than five business days after the last day of class. Beyond this date, you would need to file a petition with the Registrar's Office (<https://www.utoronto.ca/registrar/term-work>).

NOTE: Final Exams

This policy applies only to missed assignments and term tests. Missed final exams are handled by the Registrar's Office (<http://www.utoronto.ca/registrar/missing-examination>).

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

General information which you should be aware of:

The University of Toronto is dedicated to fostering an academic community in which the learning and scholarship of every member may flourish, with vigilant protection for individual human rights, and a resolute commitment to the principles of equal opportunity, equity and justice.

AccessAbility:

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 Rm SW302, Science Wing) are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations [416-287-7560](tel:416-287-7560) or email ability@utsc.utoronto.ca. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.

Academic Integrity:

Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring that a degree from the University of Toronto is a strong signal of each student's individual academic achievement. As a result, the University treats cases of cheating and plagiarism very seriously. The University of Toronto's Code of Behaviour on Academic Matters

(<http://www.governingcouncil.utoronto.ca/Assets/Governing+Council+Digital+Assets/Policies/PDF/ppjun011995.pdf>) outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offences. Potential offences include, but are not limited to:

In papers and assignments:

- Using someone else's ideas or words without appropriate acknowledgement;
- Submitting your own work in more than one course without the permission of the instructor;
- Making up sources or facts;
- Obtaining or providing unauthorized assistance on any assignment.

On tests and exams:

- Using or possessing unauthorized aids;
- Looking at someone else's answers during an exam or test;
- Misrepresenting your identity; and
- When you knew or ought to have known you were doing it.

In academic work:

- Falsifying institutional documents or grades;
- Falsifying or altering any documentation required by the University, including (but not limited to) doctor's notes; and
- When you knew or ought to have known you were doing so.

All suspected cases of academic dishonesty will be investigated following procedures outlined in the Code of Behaviour on Academic Matters. If students have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, they are expected to seek out additional information on academic integrity from their instructors or from other institutional resources.

Note:

You may see advertisements for services offering grammar help, essay editing and proof-reading. Be very careful. If these services take a draft of your work and significantly change the content and/or language, you may be committing an academic offence (unauthorized assistance) under the *Code of Behaviour on Academic Matters*.

It is much better and safer to take your draft to the Writing Centre as early as you can. They will give you guidance you can trust. Students for whom English is not their first language should go to the English Language Development Centre.

If you decide to use these services in spite of this caution, you must keep a draft of your work and any notes you made before you got help and be prepared to give it to your instructor on request.