

# PSYB64

## Introduction To Physiological Psychology

Tentative Sept 2013

Professor: Dr. Janelle LeBoutillier

Course Office Hours: TBA on Blackboard

Phone: 416-287-7430

E-mail: [psyb64@utsc.utoronto.ca](mailto:psyb64@utsc.utoronto.ca)  
Please use the course email address for correspondence in this course.

Textbooks: Discovering Biological Psychology  
2<sup>nd</sup> Edition by Laura A. Freberg  
New and used copies available in the bookstore.

Lectures: On line  
We will use Blackboard for all course announcements and for links to lectures and assignments. Please monitor Blackboard regularly for course updates.

### 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. Tina Doyle, the UTSC AccessAbility Manager 416 287-7560 is available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations. The sooner you let us know about your needs, the quicker we can

assist you in achieving your learning goals in this course.

**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.

Week	Topic	Chapter
1	Course Introduction	1
2	Anatomy and Evolution of the NS	2
3	Cells of the Nervous System	3
4	Quiz Chap 2 in class Cells of the Nervous Systems	3
5	Psychopharmacology, Genetics and Development	5
6	Temperature Regulation Thirst and Hunger Assigned Reading: Obesity drug pipeline not so fat	9
7	Test Requested	
8	Sexual Behavior Assigned reading: TBA	10
9	Sleep and Waking Assigned reading: TBA Written Assignment due no later than noon on Mon Nov 4	11
10	Learning and Memory	12
11	Emotions Reward Aggression and Stress	14
12	Neurological Disorders and Review	15

Content highlighted in yellow will be on the first test. The assigned readings can be downloaded as pdfs from Blackboard.

**Grading Scheme**

There will be 1 quiz/written assignment, 1 test and a final exam in this course.

**10% of your Final Mark will be determined by your Performance on the Quiz or Written assignment**

Only your **best** performance on either the quiz or written assignment will contribute to your final grade in the course. There are no make ups for either the quiz or assignment. If you miss or choose not to complete the quiz or assignment you will be given a mark of zero.

Quiz:

This quiz will be scheduled by the registrar early in the term and details will be posted to Blackboard. It will cover **only** Chapter 2 and will consist of MC questions only. Details on the scheduling of this quiz will be posted prior to the class. The purpose of the quiz is to encourage you to learn the neuroanatomy early in the term and have an opportunity to become familiar with the type of MC questions you will encounter in the course. You will find that a good understanding of brain structure and function will serve you well in your psychology courses. If you miss this quiz or choose not to write the quiz you will be assigned a mark of zero.

Written Assignment: **Rewriting the textbook**

**DUE no later than noon on Monday Nov 4.** Your written assignment should be submitted to the electronic drop box on Blackboard.

For this assignment, your goal is to draft a new piece for the Freberg textbook.

Your paper should have the following parts.

**a. Rationale:** Why is this topic something that really should be in this text? NOTE: In coming up with an answer to this question, you may find that you need to broaden your topic. A good experiment, no matter how exciting, is likely to get a line or two in a textbook. You will need to read enough to generate a textbook section/paragraph – not a textbook sentence. This section is your short justification for the inclusion of this topic. In choosing your topic you should examine current research...you may want to start by selecting a new finding reported on the internet, in the paper or a magazine and reading the empirical source. The rationale should be 2-3 sentences.

**b. The textbook prose:** In writing this section, pay attention to the textbook style. If you introduce an important new term which the typical reader would not be familiar with, you should put it in boldface and, more importantly, you should be sure to define it in the text indicating that it would be placed in the margin. Think about level of detail. There are not a lot of methodological details in the typical bit of textbook prose. Don't forget to cite your sources in the text. Look at the rate of citation in Freberg. You won't find a citation on every line but often there are many citations in a section. The length of this section will depend on the topic chosen, but should be about 1 to 2 pages.

**c. Placement:** Tell us where this would go in the Freberg text. Remember, it is often difficult to convince students that a longer textbook is a better text book. Bearing this fact in mind, indicate if there is a section that should be removed from the current text and why as a result of your prose.

**d. Bibliography:** Cite all references in the format used by Freberg.

**40% of your Final Mark will be determined by your Performance on the Mid-term**

This test will cover the topics listed above in weeks 1 through 6 and highlighted in yellow. The requested date for the test is indicated on the tentative schedule above but please note, the exact date will be assigned by the registrar. When this information becomes available it will be posted to the home page on Blackboard

**50% of your Final Mark will be determined by your Performance on the Exam**

The exam will cover all topic listed above in weeks 8 through 12 inclusive. The date of the final exam will be assigned by the registrar. When this information becomes available it will be posted to the home page on Blackboard

The format of the test and exam will be mainly multiple choice with some short written and/or matching questions. The final exam is not cumulative UNLESS you miss the test. Testable material includes all lecture content, the assigned pdf readings, and chapters in the text. You are responsible for all text and lecture material unless noted otherwise during the lecture.

**Missed Tests:**

There will be no make-up if you miss the term test. If you are ill for the test or have a personal emergency and cannot attend you must do the following:

1. Send an email to [psyb64@utsc.utoronto.ca](mailto:psyb64@utsc.utoronto.ca) immediately indicating that you have missed the test.
2. Follow-up within one week with documentation explaining your absence and requesting a cumulative final test in the course. Students who are absent for a medical reason should have the UTSC student medical certificate completed. Please use the official medical form available for download at [www.utsc.utoronto.ca/~registrar/](http://www.utsc.utoronto.ca/~registrar/). No other medical notes will be accepted. This form should be delivered to us during office hours or at a mutually agreed upon time in consultation with the course TA. Please send any specific requests to [psyb64@utsc.utoronto.ca](mailto:psyb64@utsc.utoronto.ca)

Provided the instructions listed above are followed students will be eligible to write a cumulative final test in this course. The format of a cumulative test may differ from the non-cumulative test format described above.

**Extra Office Hours:**

Extra office hours will be held before and after each test. The dates and times will be posted in advance. Remember to monitor Blackboard for all course announcements.