

# PSYB64

## Introduction To Physiological Psychology

### Tentative Schedule Fall 2014

Professor: Dr. Janelle LeBoutillier

Course Office Hours: TBA on Blackboard

Phone: 416-287-7430

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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: 9-12 am HW 216  
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. 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. Please note, the dates for the quiz and midterm test will be determined by the registrar. When I have this information it will be posted to Blackboard.

Week	Topic	Chapter and Assigned Readings
1	Course Introduction	1
2	Anatomy and Evolution of the NS	2
3	Quiz Chap 2 During Lecture Cells of the Nervous System	3 Assigned Reading: The Elephant Brain in Numbers
4	Cells of the Nervous Systems	3
5	Psychopharmacology, Genetics and Development	5
6	Temperature Regulation Thirst and Hunger	9
7	Test Tues Oct 21 9-12 am	
8	Sexual Behavior	10
9	Sleep and Waking Written Assignment due no later than noon on Tues Nov 4	11 Assigned reading: The prevalence of sleep disorders in college students: Impact on academic performance
10	Learning and Memory	12 Assigned Reading: The Magical Mystery Four: How is Working Memory Capacity Limited, and Why?
11	Emotions Reward Aggression and Stress	14
12	Neurological Disorders and Review	15

Content highlighted in yellow will be on the first test.

### Additional Assigned Readings:

The assigned readings can be downloaded as pdfs from Blackboard under the "Assigned Reading" Tab.

### 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 conducted during the third lecture.. It will cover **only** Chapter 2 and will consist of **only** MC questions. Details on the scheduling of this quiz will be posted to BB. The purpose of the quiz is to encourage you to learn the neuroanatomy early in the term. 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 Tues 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 on 1 of the following topics: sleep disorders, eating disorders, concussions, or learning.

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. Bibliography:** Cite all references in the format used by Freberg. You should have 4-7 references in your submission. Of these references, at least 3 should be from the last 3 years.

#### **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. The test will be held on Tues Oct 21 during the lecture. Specific details on the time and location you will write the test will be posted to BB.

**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 consist of MC questions and short written 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.

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 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.