

# PSYB64



## Introduction To Physiological Psychology

Tentative Sept 2009

Professor: Dr. Janelle LeBoutillier

Office: S557

Office Hours: Mon and Thurs 2-3 pm

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Please use the course email address for correspondence in this course. Neither the TA or instructor will be responding to e-mails sent to personal accounts.

Textbooks: Biological Psychology 5<sup>th</sup> Edition: An Introduction to Behavioral, Cognitive and Clinical Neuroscience by S.Marc Breedlove, Mark R. Rosenzweig, and Neil V. Watson.

Available in the bookstore. Used copies should also be available.

Lectures: Thursday 16:00-19:00 SW 319

TA: Kaja Jasinska  
Rimma Teper

### 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 now 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: Scope and Outlook	1
2	Functional Neuroanatomy	2
3	Evolution and Life Span Development	6,7
4	Review and Test 1 Requested	
5	Neurophysiology: Conduction, Transmission and Integration of Neural Signals	3
6	Chemical Bases of Behavior Hormones and the Brain	4 5
7	Sex: Evolutionary, Hormonal and Neural Bases	12
8	Review and Test 2 Requested	
9	Homeostasis: Regulation of Internal States	13
10	Biological Rhythms	14
11	Learning and Memory	17
12	Emotions and Stress	15

An overview of lecture ppt slides will be posted to the intranet in advance of the lecture.

## **Grading Scheme**

There will be 3 tests in this course.

- Test 1: Value 33.3% of your final grade covering topics listed above in weeks 1,2 and 3.
- Test 2: Value 33.3% of your final grade covering topics listed above in weeks 5,6 and 7.
- Test 3: Value 33.3% of your final grade covering topics listed above in weeks 9,10,11 and 12. This test will be held during the final exam period.

The requested dates for the tests are indicated on the tentative schedule above but please note, the exact dates will be assigned by the registrar. When this information becomes available it will be posted to the home page on the intranet. **Monitor the intranet regularly for all course announcements.**

The format of the tests will be mainly multiple choice with some short written and/or matching questions. Tests are not cumulative UNLESS you miss a test. The tests are based on the lecture material and the assigned chapters in the text. You are responsible for all text and lecture material unless noted otherwise during the lecture.

### **Missed Tests:**

Students are expected to write all tests in the course and there will be no make-ups for any missed tests. If you are ill for a test or have a personal emergency and cannot attend you must do the following:

1. send an email to the course webpage immediately indicating that you have missed the test.
2. follow-up within one week with a brief email to the course webpage explaining your absence and requesting a cumulative final test in the course.

Provided the instructions listed above are followed students will be eligible to write a cumulative final test in this course. For example, if you miss test 2, and the proper documentation is provided you may write a final cumulative test valued at 66.6% of the final grade in the 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 to the intranet. Remember to monitor the intranet for all course announcements.