



## Department of Psychology

### Psychology 375 (L60) – Brain and Behaviour

Summer Session 2007

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<b>Instructor:</b>	Dr. Tara Power	<b>Lecture Location:</b>	A167
<b>Phone:</b>	944-4720	<b>Lecture Days/Time:</b>	T/Th 2:00-4:45
<b>Email:</b>	<a href="mailto:Tara.power@calgaryhealthregion.ca">Tara.power@calgaryhealthregion.ca</a>		
<b>Office</b>	By appointment		
<b>Hours:</b>			

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#### Course Description and Goals

Understanding the organization and complexity of our nervous systems or 'brain', and how it is influenced by the environment within which it develops, is one of the final frontiers of science. In this course we will examine our current understanding of how the brain is structurally organized, how the cells within the brain communicate with one another, and how the components of our central and peripheral nervous systems work together to generate behaviour. We will also explore how the generation of behaviour can be altered by experience, maturation or injury of the nervous system. This will be done within the context of behaviors such as aggression, sex, learning and memory, sensory perception and motor control.

#### Required Text

The text for this class can be obtained at the University Bookstore.

**Biological Psychology: An Introduction to Behavioral and Cognitive Neuroscience  
Rosenzweig, Breedlove and Watson (5th Edition) Sinauer Associates Inc.**

#### Evaluation

Evaluation of performance in this course will consist of three multiple choice exams. The two midterm exams will be written in class. The final exam will be written according to the final exam schedule. The exams will not be comprehensive. It is possible however, that material on the second and third exams will rely on knowledge gained in the previous sections of the course. **Each exam will be worth 33.3% of your final grade. No electronic aides will be permitted during exams.**

The exam dates and chapters covered are:

**Midterm Exam I – July 12 - Chapters 1-6**

**Midterm Exam II – July 31 - Chapters 7-11**

**Final Exam - During Final Exam Period - Chapters 12-19**

## Grading Scale

A+	96-100%	B+	80-84%	C+	67-71%	D+	54-58%
A	90-95%	B	76-79%	C	63-66%	D	50-53%
A-	85-89%	B-	72-75%	C-	59-62%	F	0-49%

As stated in the University Calendar, it is at the instructor's discretion to round off either upward or downward to determine a final grade when the average of term work and final examinations is between two letter grades.







To determine final letter grades, final percentage grades will be rounded up or down to the nearest whole percentage (i.e., 89.5% will be rounded up to 90%; 89.4% will be rounded down to 89%, etc.).

## Lecture Schedule



DATE	TOPIC	CHAPTER
July 3	<b>Summer Session Lectures Begin</b> Introduction, Functional Neuroanatomy & Neurophysiology	1 & 2 & 3
July 5	<b>Last day for registration and changes of registration.</b> Chemical Bases of Behaviour & Hormones	4 & 5
July 10	Evolution of Brain and Behaviour & Development	6 & 7
July 12	<b>Midterm Exam I</b>	<b>1-6</b>
July 17	Sensory Processing 1 (Touch and Pain) & Sensory Processing 2 (Hearing, Balance, Taste and Smell)	8 & 9
July 19	Vision & Movement	10 & 11
July 24	<b>Mid-term break for six-week courses. No lectures.</b>	-----
July 26	<b>No Lecture</b>	-----
<b>July 31</b>	<b>Midterm exam II</b>	<b>7-11</b>
August 2	Sex & Homeostasis	12 & 13
August 7	Biological Rhythms & Emotions	14 & 15
August 9	Psychopathology and Learning	16 & 17
August 14	Last day to allocate Research Credits to Summer Session courses. Learning (part 2) and Language	18 & 19
August 15	<b>Summer Session Lectures End</b>	
<b>August 16-18</b>	<b>Summer Session Final Exams</b>	<b>12-19</b>

## University of Calgary Curriculum Objectives

This course addresses the following core competencies:

-  Critical and creative thinking
-  Analysis of problems
-  Organizing information
-  Abstract reasoning
-  Insight and intuition in generating knowledge
-  Interpretive and assessment skills

With the following course characteristics:

-  Test questions in which students are required to address theoretical issues
-  Integration of current research findings

### **Reappraisal of Grades**

A student who feels that a piece of graded term work has been unfairly graded, may have the work re-graded as follows. The student shall discuss the work with the instructor within fifteen days of being notified about the mark or of the item's return to the class. If not satisfied, the student shall immediately take the matter to the Head of the department offering the course, who will arrange for a reassessment of the work within the next fifteen days. The reappraisal of term work may cause the grade to be raised, lowered, or to remain the same.

If the student is not satisfied with the decision and wishes to appeal, the student shall address a letter of appeal to the Dean of the faculty offering the course within fifteen days of the unfavourable decision. In the letter, the student must clearly and fully state the decision being appealed, the grounds for appeal, and the remedies being sought, along with any special circumstances that warrant an appeal of the reappraisal. The student should include as much written documentation as possible.

### **Plagiarism and Other Academic Misconduct**

Intellectual honesty is the cornerstone of the development and acquisition of knowledge and requires that the contribution of others be acknowledged. Consequently, plagiarism or cheating on any assignment is regarded as an extremely serious academic offense. Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Students should examine sections of the University Calendar that present a Statement of Intellectual honesty and definitions and penalties associated with Plagiarism/Cheating/Other Academic Misconduct.

### **Academic Accommodation**

*It is the student's responsibility to request academic accommodations.* If you are a student with a documented disability who may require academic accommodation and **have not** registered with the Disability Resource Centre, please contact their office at 220-8237. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.

### **Absence From A Test**

Make-up exams are NOT an option without an official University medical excuse (see the University Calendar). You must contact the instructor before the scheduled examination or you will have forfeited any right to make up the exam. At the instructor's discretion, a make-up exam may differ significantly (in form and/or content) from a regularly scheduled exam. Except in extenuating circumstances (documented by an official University medical excuse), a makeup exam is written within two (2) weeks of the missed exam.

A completed Physician/Counselor Statement will be required to confirm absence from a test for health reasons. The student will be required to pay any cost associated with the Physician Counselor Statement.

### **Course Credits for Research Participation**

Students in most psychology courses are eligible to participate in Departmentally approved research and earn credits toward their final grades. A maximum of two credits (2%) per course, including this course, may be applied to an individual's final grade. Students can create an account and access the Research Participation System website at <http://ucalgary.sona-systems.com>. The last day to participate in research is **August 14, 2007**.

**Important Dates**

The last day to drop this course and **still receive a fee refund** is July 5. The last day to withdraw from this course is August 15.