



UNIVERSITY OF CALGARY  
Department of Psychology

**Psychology 375 (L05) – BRAIN AND BEHAVIOUR**

**Fall Session 2006**

<b>Instructor:</b>	Dr. M.C. Antle	<b>Lecture Location:</b>	MFH 164
<b>Phone:</b>	220-2574	<b>Lecture Days/Time:</b>	MWF 12:00-12:50
<b>Email:</b>	antlem@ucalgary.ca		
<b>Office:</b>	Admin 018		
<b>Office Hours:</b>	By appointment only (call or E-Mail to schedule an appointment)		

**Course Description and Goals**

The task of the branch of psychology called behavioural neuroscience is to explain behaviour in terms of the functioning of the brain. This course explores the neural basis of behaviour, sensation & movement, learning & memory, and language, as well as neurodegenerative disorders that arise from nervous system malfunctioning.

**Required Text**

Biological Psychology, 4<sup>th</sup> Ed, M.R. Rosenzweig, S.M. Breedlove, N.V. Watson (2005) Sinauer Associates Inc.  
The text is available at the University Bookstore.

**Evaluation**

There will be 3 exams. The format will be Multiple Choice. While the first 2 exams are not cumulative, the final exam may include a *small* amount of cumulative material covering general themes covered throughout the course.

	<b>Value</b>	<b>Chapters</b>	<b>Date</b>	<b>Duration</b>
First Exam	30%	1,2,3,4,6	Friday October 11 <sup>th</sup>	50 minutes
Second Exam	30%	5,7,12,13,14	Friday November 10 <sup>th</sup>	50 minutes
Final Exam	40%	11,15,16,17,18	To be Scheduled by the Registrar.	2 hrs

**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	Lecture	Chapter
<b>Sept. 4</b>	<b>Labour Day – University closed</b>	
<b>Sept. 11</b>	Introduction to Biopsychology	1
Sept. 13	Evolution and Behaviour	6
Sept. 15	Evolution and Behaviour	6
Sept. 18	Functional Neuroanatomy	2
Sept. 20	Functional Neuroanatomy	2
<b>Sept. 22</b>	Neurophysiology	3
	<b>Last day for Fall registration and change of registration for Fall Session or full courses. No fee withdrawals after this date.</b>	
Sept. 25	Neurophysiology	3
Sept. 27	Neurotransmission	4
Sept. 29	Neurotransmission	4
Oct. 2	Drugs and Behavior	4
Oct. 4	Drugs and Behavior	4
Oct. 6	Development	7
<b>Oct. 9</b>	<b>Thanksgiving Day – no classes</b>	
Oct. 11	Exam #1 (Chapters 1, 2, 3, 4 + 6)	
Oct. 13	Development	7
Oct. 16	Hormones	5
Oct. 18	Hormones	5
Oct. 20	Sexual Behaviour	12
Oct. 23	Sexual Behaviour	12
Oct. 25	Homeostasis: Temperature	13
Oct. 27	Homeostasis: Thirst	13
Oct. 30	Homeostasis: Hunger	13
Nov. 1	Circadian Rhythms	14
Nov. 3	Circadian Rhythms	14
Nov. 6	Sleep	14
Nov. 8	Sleep	14
Nov. 10	Exam #2 (Chapters 5, 7, 12, 13, 14)	
<b>Nov. 11-14</b>	<b>Reading Days – No Classes</b>	
Nov. 15	Movement	11
Nov. 17	Movement	11
Nov. 20	Emotions	15
Nov. 22	Stress	15
Nov. 24	Psychopathology	16
Nov. 27	Psychopathology	16
Nov. 29	Psychopathology	16
Dec. 1	Learning	17
Dec. 4	Learning	17
Dec. 6	Learning	18
Dec. 7	<i>Last day to allocate Bonus Credits to Fall Session half courses.</i>	
<b>Dec. 8</b>	Learning	18
	<b>Last day of lectures for Fall Session. Last day to withdraw from Fall Session half courses.</b>	
<b>Dec. 11-20</b>	<b>Fall Session Final Examinations</b>	
	Final Exam (Chapters 11, 15, 16, 17, 18 + General concepts)	

## University of Calgary Curriculum Objectives

1) This course addresses the following core competencies:

- critical and creative thinking
- analysis of problems
- organizing information
- insight and intuition in generating knowledge
- interpretive and assessment skills

2) This course addresses the following curriculum redesign features:

- integration of research

Psychology 375 encourages considerable class participation, thereby prompting students to think critically about course material. While exams will require basic knowledge of core concepts, students will also be required to integrate previous knowledge and apply them to novel examples and ideas.

### **Reappraisal of Grades**

A student who feels that a piece of graded term work (term paper, essay, test, etc.) 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 which 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 December 7, 2006.

### **Student Organizations**

Psychology students may wish to join the Psychology Undergraduate Students' Association (PSYCHS). They are located in the Administration building, room 170 or may be contacted at 220-5567.

**Student Union VP Academic:** Phone: 220-3911 [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca)  
**Student Union Faculty Rep.:** Phone: 220-3913 [socialscirep@su.ucalgary.ca](mailto:socialscirep@su.ucalgary.ca)

### **Important Dates**

The last day to drop this course and **still receive a fee refund** is September 22, 2006. The last day to withdraw from this course is December 8, 2006.