



UNIVERSITY OF
CALGARY

Department of Psychology
Psychology 375 (L01) – Brain and Behaviour
Winter 2009

Instructor:	Dr. Trevor H. Gilbert	Office:	Admin 257D
Phone:	374-1607	Office hours:	by appointment
E-mail:	thgilber@ucalgary.ca	Location:	MFH 164
Lecture Day/Time:	M @ 4:00-6:45 p.m.		

Course Description:

The task of biological psychology is to explain behaviour in terms of the activities of the brain. This course explores the neural basis of learning, memory, language, and thinking, as well as behavioural and neurodegenerative disorders that arise from nervous system malfunctioning.

Textbook:

An Introduction to Brain and Behavior (2nd Ed.), B. Kolb and I.Q. Whishaw (2006), Worth Publishers.

Course Evaluation:

There will be 3 exams. The format will be multiple choice and short answer/essay.

Exam 1	30%	February 9, 2009
Exam 2	30%	March 16, 2009
Exam 3	40%	Final Exam Scheduled By Registrar

Grading Scheme:

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 (e.g., 89.5% will be rounded up to 90%; 89.4% will be rounded down to 89%).

LECTURE OUTLINE

INTRODUCTION	Chapter 1
<ul style="list-style-type: none">• brain and behavior• evolution	
NEUROANATOMY & NEUROPHYSIOLOGY	Chapters 2, 3, 4, 5, 7
<ul style="list-style-type: none">• organization of the nervous system• neurons and neurotransmission• psychopharmacology	
DEVELOPMENT & SENSORY SYSTEMS	Chapters 6, 8, 9
<ul style="list-style-type: none">• brain development• vision• hearing• language	
MOVEMENT & SLEEP	Chapters 10, 11, 12
<ul style="list-style-type: none">• motor systems• emotional behaviour• motivated behaviour• sleep and dreaming	
LEARNING, MEMORY & COGNITION	Chapters 5, 13, 14
<ul style="list-style-type: none">• conditioning• memory circuits• plasticity• cognition	
DISORDERS OF BRAIN & BEHAVIOR	Chapter 15
<ul style="list-style-type: none">• identification and classification• treatment• neurological disorders• psychiatric disorders	

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:

- an experiential learning component relevant to the program objectives
- integration of research

Psychology 375 encourages 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 Director of Undergraduate Studies in Psychology, 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 a student's responsibility to request academic accommodation. If you are a student with a disability who may require academic accommodation and **have not** registered with the Disability Resource Centre, please contact their office at 220-8237. If you are seeking academic accommodation, please notify your instructor no later than fourteen (14) days after the commencement of the course. Note that the lecturer must approve any tape recordings of lectures.

Absence From A Test/Exam

Makeup tests/exams are NOT an option without an official University medical excuse (see the University Calendar). A completed Physician/Counselor Statement will be required to confirm absence from a test/exam for health reasons; the student will be required to pay any cost associated with this Statement. **Students who** miss a test/exam have 48 hours to contact the instructor and to schedule a makeup test/exam. Students who do

not schedule a makeup test/exam with the instructor within this 48-hour period forfeit the right to a makeup test/exam. At the instructor's discretion, a makeup test/exam may differ significantly (in form and/or content) from a regularly scheduled test/exam. Except in extenuating circumstances (documented by an official University medical excuse), a makeup test/exam must be written within 2 weeks of the missed test/exam.

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 and allocate credits is **April 16th, 2009**.

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	suvpaca@ucalgary.ca
Student Union Faculty Rep.:	Phone: 220-3913	socialscirep@su.ucalgary.ca

Important Dates

The last day to drop this course and still receive a fee refund is **January 23, 2009**. The last day to withdraw from this course is **April 17, 2009**.