



Department of Psychology

**Psychology 375 (L01) – Brain and Behaviour
Winter Session 2008**

Instructor:	Richard Dyck	Lecture Location:	A142
Phone:	220-4206	Lecture Days/Time:	TR 12:30-13:45
Email:	rdyck@ucalgary.ca		
Office:	Admin. 28		
Office Hours:	By appointment only		

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

An Introduction to Brain and Behavior, B. Kolb and I.Q. Whishaw – **2nd Edition** (2004), Worth Publishers.

Text is available in the University Bookstore.

Evaluation

First Exam	30%	Multiple Choice – Tuesday, Feb. 12 th – in class. 75 min
Second Exam	30%	Multiple Choice – Thursday, Mar. 20 th – in class. 75 min
Final Exam	40%	Multiple Choice – 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

TOPIC	CHAPTER
<i>Introduction</i> <ul style="list-style-type: none">origins of brain and behaviour, monist perspectiveimplications of evolution	1
<i>Functional Neuroanatomy & Neurophysiology</i> <ul style="list-style-type: none">organization of the nervous systemthe neuron and neurotransmission	2, 3, 4, 5
<i>Brain Development & Drugs</i> <ul style="list-style-type: none">brain developmentneuropharmacology and psychoactive drugs	6,7
<i>Sensory Systems and Language</i> <ul style="list-style-type: none">visionhearing and language	8, 9
<i>Motor Systems & Sleep</i> <ul style="list-style-type: none">motor systemsmovementsleep and rhythms	10, 12
<i>Learning & Memory</i> <ul style="list-style-type: none">conditioningmemory circuitsplasticityneural basis of cognition	13, 14

University of Calgary Curriculum Objectives

University of Calgary Core Competencies

- Critical and creative thinking
- Analysis of problems
- Gathering and organizing information
- Logical calculation, mathematical ability
- Abstract reasoning and its applications
- Insight and intuition in generating knowledge
- Interpretive and assessment skills

Curriculum Redesign Features

- A defined interdisciplinary component
- An international component
- 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 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

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 Apr. 17, 2008.**

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

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 25, 2008. The last day to withdraw from this course is April 18, 2008.