

Psychology 375

Brain and Behaviour

Winter 2013

Instructor:	Dr. Amy Henderson	Lecture Location:	MFH 164
Email:	ahender@ucalgary.ca	Lecture Days/Time:	Tuesday and Thursday 3:30pm-4:45pm
Office Hours:	By 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, learning & memory, language, as well as neurological and psychological disorders that arise from nervous system malfunctioning.

Prerequisites

PSYC 205 – Principles of Psychology

Required Text

- **An Introduction to Brain and Behavior (3rd Ed.), B. Kolb and I.Q. Whishaw (2011)** Worth Publishers. A hard copy of the text is available at the University Bookstore.
- Online rentals are also available through the University Bookstore website.
- An electronic version of the text can be purchased at:
<http://www.coursesmart.com/9781429247801>
- Tutorials, quizzes, research exercises and essay questions are available at the companion website <http://bcs.worthpublishers.com/kolbintro3e/>

Evaluation

There will be 3 exams. The format will be **multiple choice**. The first two exams are **not** cumulative. **The final exam will focus on the last third of the course, but 25% of the material will come from the entire course.** Regular exams will be held in the same location as our regular classes (MFH 164). No books, computers or calculators will be allowed during exam writing.

Exam	Value	Chapters	Date	Duration
Exam 1	30%	1-5 + lecture material	February 5th	1 hour
Exam 2	30%	6-10 + lecture material	March 14th	1 hour
Final exam	40%	75% will be 11-16 + lecture material, 25% will be from 1-10 + lecture material	April 19 th -30 th Registrar scheduled	2 hours

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 (e.g., 89.5% will be rounded up to 90% = A, but 89.4% will be rounded down to 89% = A-).

Tentative Lecture Schedule

Date	Topic	Readings
T Jan 8	Winter Term Lecture Begins. Course Introduction, Ch 1: Origins of brain and behavior.	Chapter 1
R Jan 10	Finish Ch 1, Ch 2: How does the nervous system function?	Chapter 2
T Jan 15	Continue Ch 2	
R Jan 17	Finish Ch 2, Ch 3: What are the units of nervous system function?	Chapter 3
F Jan 18	Last day to drop Winter Term courses.	
M Jan 21	Last day to add or swap Winter Term courses.	
T Jan 22	Finish Ch 3, Ch 4: How do neurons transmit information?	Chapter 4
R Jan 24	Finish Ch 4	
T Jan 29	Ch 5: How do neurons communicate and adapt?	Chapter 5
R Jan 31	Finish Ch 5, Ch 6: How do we study the brain?	Chapter 6
T Feb 5	EXAM 1: 3:30PM MFH 164	
R Feb 7	Finish Ch 6, Ch 7: How does the nervous system develop?	Chapter 7
T Feb 12	Continue Ch 7	
R Feb 14	Finish Ch 7, Ch 8: How do drugs and hormones influence brain and behavior?	Chapter 8
T Feb 19	Reading Week. No Lecture	
R Feb 21	Reading Week. No Lecture	
T Feb 26	Finish Ch 8, Ch 9: How do we sense, perceive and see the world?	Chapter 9
R Feb 28	Continue Ch 9	
T Mar 5	Finish Ch 9, Ch 10: How do we hear, speak and make music?	Chapter 10
R Mar 7	Continue Ch 10	
T Mar 12	Finish Ch 10, Ch 11: How does the nervous system respond to stimulation and produce movement?	Chapter 11
R Mar 14	EXAM 2: 3:30PM MFH 164	

T Mar 19	Continue Ch 11	
R Mar 21	Finish Ch 11, Ch 12: What causes emotional and motivated behavior?	Chapter 12
T Mar 26	Finish Ch 12, Ch 13: Why do we sleep and dream?	Chapter 13
R Mar 28	Finish Ch 13, Ch 14: How do we learn and remember?	Chapter 14
T Apr 2	Continue Ch 14	
R Apr 4	Finish Ch 14, Ch 15: How does the brain think?	Chapter 15
T Apr 9	Finish Ch 15, Ch 16: What happens when the brain misbehaves?	Chapter 16
R Apr 11	Continue Ch 16	
T Apr 16	Finish Ch 16. Questions/Review. Winter Lectures End. Last day to participate in research and allocate research credits. Last day to withdraw.	
F Apr 19-30	Winter Term Final Exams	

Reappraisal of Grades

A student who feels that a piece of graded term work (e.g., term paper, essay, test) has been unfairly graded, may have the work re-graded as follows. The student shall discuss the work with the instructor within 15 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 15 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 15 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 403-220-8237. 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 14 days after the start of this course.

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.

Freedom of Information and Protection of Privacy (FOIP) Act

The FOIP legislation disallows the practice of having student's retrieve tests and assignments from a public place. Therefore, tests and assignments may be returned to students during class/lab, or during office hours, or via the Department Office (Admin 275), or will be made available only for viewing during exam review sessions scheduled by the Department. Tests and assignments will be shredded after one year. Instructors should take care to not link students' names with their grades, UCIDs, or other FOIP-sensitive information.

Course Credits for Research Participation (Max 2% of final grade)

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 the student's final grade. Students earn 0.5% (0.5 credits) for each full 30 minutes of participation.** The demand for timeslots may exceed the supply in a given term. Thus, students are not guaranteed that there will be enough studies available to them to meet their credit requirements. Students should seek studies early in the term and should frequently check for open timeslots. Students can create an account and participate in Departmentally approved research studies at <http://ucalgary.sona-systems.com>. The last day to participate in studies and to assign or reassign earned credits to courses is **Apr 16th, 2013**.

Evacuation Assembly Point

In case of an emergency evacuation during class, students must gather at the designated assembly point nearest to the classroom. The list of assembly points is found at <http://www.ucalgary.ca/emergencyplan/assemblypoints>
Please check this website and note the nearest assembly point for this course.

Student Organizations

Psychology students may wish to join the Psychology Undergraduate Students' Association (PSYCHS). They are located in Administration 170 and may be contacted at 403-220-5567.

Student Union VP Academic: Phone: 403-220-3911

suypaca@ucalgary.ca

Student Union Faculty Rep.:

Phone: 403-220-3913

socialscirep@su.ucalgary.ca

Important Dates

The last day to drop this course with no "W" notation and **still receive a tuition fee refund** is **January 18, 2013**. Last day for registration/change of registration is **January 21, 2013**. The last day to withdraw from this course is **Apr 16th, 2013**.