

Psychology 375

Brain and Behaviour

<b>Instructor:</b>	Dr. Shadna Rana	<b>Lecture Location:</b>	MFH 164
<b>Phone:</b>	403-220-4497	<b>Lecture Days/Time:</b>	Saturday 8:00 – 11:30
<b>Email:</b>	rans@ucalgary.ca		
<b>Office:</b>	A157		
<b>Office Hours:</b>	By appointment		

**Course Description and Goals**

Behavioural neuroscience is a branch of psychology that explains behavioural outcomes in terms of brain functions. This course covers topics related to this branch such as the neural basis of learning, memory, language and thinking, as well as pathological, sexual, aggressive, and emotional behaviour that arises from neural and hormonal malfunctioning.

**Prerequisite(s)**

PSYCH 200 – Principles of Psychology I

**Required Text**

- *An Introduction to Brain and Behavior* (3<sup>rd</sup> Ed.), B. Kolb and I.Q. Whishaw (2011), Worth Publishers. The text is available at the University Bookstore.
- 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 three **multiple-choice exams**. Test questions can be based on the lectures and assigned textbook chapters. The first two exams are **not** cumulative; however the final exam **will** be cumulative, including all material covered in the course. Midterm examinations will be held in the same location as regular classes (MFH 164), and will begin at 8:00 am. The final examination location will be scheduled by the registrar. *No books, notes, computers, calculators, or cellular phones will be allowed during exam writing.*

Exam	% of Grade	Content	Date	Duration
Midterm 1	30	Chapters 2-5, 7-8 + lecture material	October 6th	60 minutes
Midterm 2	30	Chapters 6, 9-11 + lecture material	November 3rd	60 minutes
Final exam	40	Chapters 12-16 + lecture material (75%) and Chapters 2-11 + lecture material (25%)	Scheduled by Registrar	120 minutes

## 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-).

## Lecture Schedule

Date	Topic	Chapter
S Sept 15	Introduction to the course Function and components of the nervous system	2-3
F Sept 21	Last day to drop a course with no W grade and tuition refund.	
S Sept 22	How neurons transmit information, communicate and adapt	4-5
M Sept 24	Last day for add or swap courses.	
S Sept 29	How the nervous system develops How drugs and hormones influence brain and behavior	7-8
<b>S Oct 6</b>	<b>MIDTERM #1 (Chapters 2-5, 7-8)</b> Ways to study brain structure and function	6
S Oct 13	Review midterm #1 outcome Perception: Visual system	9
S Oct 20	Perception: Visual system (cont'd) Perception: Auditory system	9 10
S Oct 27	How we produce and control movement	11
<b>S Nov 3</b>	<b>MIDTERM #2 (Chapters 6, 9-11)</b> Emotional and motivated behavior	12
S Nov 10	<i>Reading day. No lecture.</i>	
S Nov 17	Review midterm #2 outcome Why we sleep and dream	13
S Nov 24	Learning and memory How the brain thinks: cognition, intelligence, consciousness	14 15
S Dec 1	Disorders of the brain	16
F Dec 7	Fall term lectures end.	
	<b>FINAL EXAM (Scheduled by the Registrar)</b>	1-16

## 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 **Dec 7, 2012**

### **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.

### **Safewalk**

The Safewalk program provides volunteers to walk students safely to their destination anywhere on campus. This service is free and available 24 hours a day, 365 days a year. Call 403-220-5333.

### **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 [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca)

**Student Union Faculty Rep.:** Phone: 403-220-3913 [socialscirep@su.ucalgary.ca](mailto: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 September 21, 2012**. Last day for registration/change of registration is **September 24, 2012**. The last day to withdraw from this course is **December 7, 2012**.