



**Department of Psychology**  
**Psychology 375 (L01) – Brain and Behaviour**  
**Summer 2010 – Course Outline**

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<b>Instructor:</b>	Avril J. Keller, M.Sc.	<b>Lecture Location:</b>	Admin 167
<b>Phone:</b>	403-472-1327	<b>Lecture Days/Time:</b>	Monday & Wednesday 2:00pm – 4:45pm
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<b>Office:</b>	Admin 225		
<b>Office Hours:</b>	By appointment		

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### **Course Description and Goals**

The task of the branch of psychology called behavioural neuroscience is to explain behavior 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.

### **Prerequisites**

Psyc 205 – Principles of Psychology

### **Required Text**

Bryan Kolb, B. & Wishaw, I.Q. (2011). *An Introduction to Brain and Behavior (3<sup>rd</sup> Edition)*. Worth Publishers, New York, NY.

- **Hard copy:** available at the University Bookstore.
- **Electronic copy:** available for purchase at:  
[http://www.coursesmart.com/givecoursesmartatry?xmlid=9781429247801&\\_instructor=2603570](http://www.coursesmart.com/givecoursesmartatry?xmlid=9781429247801&_instructor=2603570)

Tutorials, quizzes, research exercises, etc., are available at the companion website:

<http://bcs.worthpublishers.com/kolbintro3e>

### **Evaluation**

There will be three exams. The format will be multiple-choice. All exams are non-cumulative.

<b>Component</b>	<b>Weight</b>	<b>Duration</b>	<b>Content</b>	<b>Date</b>
Exam #1	30%	50 minutes	Ch. 1-7*	July 19 <sup>th</sup>
Exam #2	30%	50 minutes	Ch. 8-11*	August 4 <sup>th</sup>
Exam #3	40%	75 minutes	Ch.11-16* (To be scheduled by the Registrar)	

*\*Content covered on exams includes the textbook chapters listed under examination "content" section, in addition to corresponding lecture material.*

## 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

Ideally in table format with date of class, topics to be covered, and chapters/readings to be read. Due dates for tests/exams and assignments should be included in this schedule as well.

Date	Lecture	Topics & Associated Readings
M Jul 5	Lecture #1	<i>*Lectures begin.</i> <b>Introduction; Evolution of Brain &amp; Behaviour</b> : Chapter 1 <b>Neural System Structure &amp; Function</b> : Chapter 2
W Jul 7	Lecture #2	<b>Units of Neural System Function</b> : Chapter 3 <b>Neural Transmission</b> : Chapter 4
F Jul 9		<i>*Last day to drop a course with no W grade &amp; tuition refund. Last day for registration or change of registration.</i>
M Jul 12	Lecture #3	<b>Neural Communication/Adaptation</b> : Chapter 5 <b>Studying the Brain</b> : Chapter 6
W Jul 14	Lecture #4	<b>Neural Development</b> : Chapter 7
M Jul 19	<b>Exam #1</b> Lecture #5	<b>Psychopharmacology</b> : Chapter 8
W Jul 21	Lecture #6	<b>Vision</b> : Chapter 9
M Jul 26	Lecture #7	<b>Audition</b> : Chapter 10
W Jul 28	Lecture #8	<b>Motor System</b> : Chapter 11
M Aug 2		<i>*Alberta Heritage Day. No lectures. University closed.</i>
W Aug 4	<b>Exam #2</b> Lecture #9	<b>Emotion &amp; Motivation</b> : Chapter 12 <b>Sleep &amp; Dreams</b> : Chapter 13
M Aug 9	Lecture #10	<b>Learning &amp; Memory</b> : Chapter 14
W Aug 11	Lecture #11	<b>Cognition</b> : Chapter 15
M Aug 16	Lecture #12	<i>*Last day to participate in research and allocate research credits. Lectures end.</i> <b>Brain &amp; Behavioural Disorders</b> : Chapter 16
T Aug 17		<i>*Last day to withdraw from classes</i>
Aug 18 – 20	<b>FINAL EXAM</b>	<i>*Final exam (scheduled by the Registrar).</i>

### **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 an 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 (Maximum 2% of final grade)**

Students in most psychology courses are eligible to participate in Department of Psychology approved research and earn credits toward their final grades.

**A maximum of two (2) 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 Department of Psychology 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 **Aug 16<sup>th</sup>, 2010**.

### **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](mailto:suypaca@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 **Jul 9<sup>th</sup>, 2010**. Last day for registration/change of registration is **Jul 9<sup>th</sup>, 2010**. The last day to withdraw from this course is **Aug 17<sup>th</sup>, 2010**.