



UNIVERSITY OF
CALGARY

Department of Psychology

Psychology 475 (L91) – Behavioural Pharmacology

Winter Session 2007

Instructor:	Dr. Trevor H. Gilbert	Office:	Admin 257D
Phone:	374-1607	Office hours:	by appointment
E-mail:	thgilber@ucalgary.ca	Location:	A167
Lecture Day/Time:	T @ 6:00-8:45 p.m.		

Course Description:

The behavioural effects of drugs specifically employed to affect the nervous system, as seen in the treatment of mental disorders, behavioural disorders, and other conditions such as Parkinson's, Huntington's, and Alzheimer's diseases. Neuropharmacologic agents will be discussed as they relate to the biochemistry and physiology of putative neurotransmitters.

Textbook:

A Primer of Drug Action (10th ed.), Julien, R.M. (2005), Worth Publishers.

Course Evaluation:

Exam 1	30%	multiple choice, short answer – February 6, 2007
Exam 2	30%	multiple choice, short answer – March 13, 2007
Final Exam	40%	Multiple choice, short answer/essay – to be scheduled by the 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

PRINCIPLES OF DRUG ACTION	Chapters 1, 2
• pharmacokinetics	
• pharmacodynamics	
NEUROPHYSIOLOGY & NEUROTRANSMISSION	Chapter 3
• organization of the nervous system	
• the neuron and synaptic transmission	
• neurotransmitters	
CNS DEPRESSANTS	Chapters 4, 5
• alcohol and inhalants	
• barbiturates and anesthetics	
• epilepsy and antiepileptic drugs	
CNS STIMULANTS	Chapters 7, 8
• cocaine and amphetamines	
• caffeine and nicotine	
ANALGESICS	Chapters 14, 15
• opioids	
• nonopioids	
HALLUCINOGENS & PSYCHEDELICS	Chapters 18, 19
• cannabis/marijuana	
• mescaline, LSD	
PSYCHOTHERAPEUTIC DRUGS: PART 1	Chapters 6, 9, 10, 11
• anxiolytics	
• antidepressants	
• mood stabilizers	
• antipsychotic drugs	
PSYCHOTHERAPEUTIC DRUGS: PART 2	Chapters 12, 13
• child psychopharmacology	
• Parkinson's disease	
• Alzheimer's disease	
OTHER TOPICS	Chapters 16, 20, 21
• herbal agents	
• steroids	
• drug abuse	

University of Calgary Curriculum Objectives:

- 1) This course addresses the following core competencies:
 - critical and creative thinking
 - analysis of problems
 - effective written communication
 - 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 475 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 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. 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 fourteen (14) days after the start of this course.

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 April 12, 2007.

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 19, 2007. The last day to withdraw from this course is April 13, 2007.