
Psychology 475	Behavioural Pharmacology	Winter 2013
Instructor: Matthew Hill	Lecture Location: A 167	
Phone: 403-220-8466	Lecture Days/Time: Monday, 4:00-6:50pm	
Email: mnhill@ucalgary.ca		
Office: HSC2121		
Office Hours: By appointment		

Course Description and Goals

The aim of this course is to develop an introduction to the field of behavioural pharmacology. The first half of this class will cover a basic introduction to neurochemistry, neuropharmacology and neuroanatomy. The second portion of the course will employ this knowledge to examine the pharmacology of specific classes of recreational drugs as well as neurobiological theories, animal models and psychotherapeutic drugs for various psychiatric disorders.

Prerequisites

Psyc 205 – Principles of Psychology or PSYC 200 – Principles of Psychology I and PSYC 201 – Principles of Psychology II
Psyc 375 – Brain and Behaviour

Required Text

Psychopharmacology: Drugs, the Brain and Behavior, Jerrold S. Meyer and Linda F. Quenzer (2005)
Sinauer. Available at bookstore and online vendors.

Evaluation

1) Midterm: **35%**

- during class on Feb 25th
- short/long answer, multiple choice
- based on Chapters 1-8 and associated lecture material

2) Final Exam: **40%**

- scheduled by registrar
- short/long answer, multiple choice
- emphasis on material in second half of the course, but all material is examinable.

3) Term paper: **25%**

- on a topic related to course material (example paper topics are: Neurogenesis and Depression, Glucocorticoid/Norepinephrine Interactions in Aversive Memory, Cannabis and Schizophrenia: Mechanisms of Interactions)
- Minimum 14 pages, maximum 20 pages (not including references)
- 12 point times new roman font
- Topics must be approved by instructor by Feb 11.
- Paper will be graded on two criteria: **Presentation** (25%)-including grammar, organization, clarity of writing and flow of paper; **Content** (75%)-including accuracy of information presented, completeness of review of relevant literature, etc.
- Papers are due at the end of class on **April 8, 2013**. Hard copy necessary. Reduction of 10% mark on paper for each 24 h interval the paper is late (starting at end of class on April 8).

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/Activity/Readings/Due Date
T Jan 8	Winter Term lecture begins
M Jan 14	Overview of pharmacology and nervous system structure and function (Chapters 1 and 2)
M Jan 21	Neurotransmission and classes of receptors (Chapter 3; read chapter 4, but no discussion)
M Jan 28	Classes of neurotransmitters-GABA, glutamate & acetylcholine (Chapters 6 and 7)
M Feb 4	Classes of neurotransmitters-Catecholamines and serotonin (Chapter 5 and 6)
M Feb 11	Neuropeptides and lipids (no readings); Introduction to drug abuse (Chapter 8) **Topic for paper approval needed by today**
M Feb 18	Family Day. No Lecture. University Closed
M Feb 25	Midterm
M Mar 4	Central nervous system depressants, alcohol and opiates (Chapters 9 and 10)
M Mar 11	Mar 11: Stimulants and hallucinogens (Chapters 11, 12 and 14)
M Mar 18	Cannabinoids (Chapter 13; read chapter 15, no discussion)
M Mar 25	Depression and affective disorders (Chapter 16)
M Apr 1	Depression and affective disorders (Chapter 16)
M Apr 8	Anxiety disorders (Chapter 17) **Term paper due**

M Apr 15	Schizophrenia (Chapter 18)
T Apr 16	Winter Term Lectures End. Last day to withdraw from courses.
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.

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 [suyaca@ucalgary.ca](mailto:suypaca@ucalgary.ca)

Student Union Faculty Rep.: Phone: 403-220-3913 socialscirep@su.ucalgary.ca

Important Dates <http://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html>

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 16, 2013**.