

Psychology 475**Drugs and Behaviour****Fall 2015**

Instructor:	Dr. Daniel McGrath	Lecture Location:	SH 274
Phone:	403-220-7268	Lecture Days/Time:	MWF 11:00-11:50
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Office Hours:	By appointment through email		

Course Description and Goals

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. Neuro-pharmacologic agents will be discussed as they relate to the biochemistry and physiology of putative neurotransmitters.

Prerequisites

Psychology 312 - Experimental Design and Quantitative Methods for Psychology

Psychology 375 - Brain and Behaviour

Required Text

McKim W. & Hancock, S. (2013). *Drugs and Behavior: An Introduction to Behavioral Pharmacology* (seventh edition). Pearson Canada; Toronto, ON. ISBN-10: 0205242650.

Available at the University Bookstore and online.

Evaluation

(1) Midterm Exam #1 (October 9th)	25%
(2) Midterm Exam #2 (November 9th)	25%
(3) Research Proposal (due November 30th)	15%
(4) Final Exam (Scheduled by registrar)	35%

(1 & 2) Midterm Exams

There will be two midterm exams for this course. The relevant information for each is as follows:

Midterm Exam #1

- Will be held in class on October 9th
- Could include any material covered in class as well as from the assigned textbook chapters
- Chapters covered include: 1, 2, 3, 4, and 5
- Comprised of a mix of multiple choice and short answer questions
- You will NOT be allowed to use any of the following during the test: iPods, iPads, smartphones, computers, books or notes
- Worth 25% of the final grade

Midterm Exam #2

- Will be held in class on November 9th
- Could include any material covered in class as well as from the assigned textbook chapters ***presented after Midterm #1***
- Chapters covered include: 6, 8, 9, and 10
- Comprised of a mix of multiple choice and short answer questions
- You will NOT be allowed to use any of the following during the test: iPods, iPads, smartphones, computers, books or notes
- Worth 25% of the final grade

(3) Research Proposal

Students will be required to complete a research proposal on a topic of their choosing. The assignment will involve proposing a novel research idea from any area of behavioural psychopharmacology. When writing the proposal, students should adhere to APA guidelines (6th edition).

- The research proposal is due November 30th
- Please submit a paper copy in class AND an electronic copy on the D2L system
- The proposal will require a formal Introduction (i.e., literature review, rationale, hypotheses), Methods, Expected Results, and Reference sections
- Expected length is approximately 10-12 pages double-spaced (excluding title page and references)
- ***More information on the structure and expectations of the proposal will be provided in class and the Desire2Learn course page***
- Late assignments will be penalized 10% per day (including weekends)
- Worth 15% of the final grade

(4) Final Exam

- Scheduled by the registrar during the fall exam period
- 3 hours will be allocated for the exam
- The final exam IS CUMULATIVE; however, more emphasis will be placed on class material and textbook chapters ***covered after Midterm #2***
- Could include any material covered in class as well as from the assigned textbook chapters
- Chapters covered include: Cumulative
- Comprised of a mix of multiple choice, short answer questions, and long answer questions
- You will NOT be allowed to use any of the following during the test: iPods, iPads, smartphones, computers, books or notes
- Worth 35% of the final grade

Department of Psychology Grade Distribution Policy

The distribution of grades in Psychology courses (the percentage of A grades, B grades, etc.) will be similar to the distribution of grades in other courses in the Faculty of Arts. The Department monitors the grade distributions of 200-, 300-, and 400-level courses in the Faculty to ensure that the grade distributions in Psychology courses are comparable. Based on these reviews, students can expect that 1) up to 30% of grades in 200- and 300-level psychology courses will be "A" grades (A+, A, and A-), and 2) up to 40% of grades 400-level psychology courses will be "A" grades.

Department of Psychology Criteria for Letter Grades

Psychology professors use the following criteria when assigning letter grades:

A+ grade: *Exceptional Performance.* An A+ grade indicates near perfect performance on multiple choice and short answer exams. For research papers/essays/course projects/presentations, an A+ grade is awarded for exceptional work deserving of special recognition and is therefore not a common grade.

A, A- Range: *Excellent Performance.* Superior understanding of course material. Written work is very strong in terms of critical and original thinking, content, organization, and the expression of ideas, and demonstrates student's thorough knowledge of subject matter.

B Range: *Good Performance.* Above average understanding of course material. Written work shows evidence of critical thinking and attention to organization and editing but could be improved in form and/or content.

C Range: *Satisfactory Performance.* Adequate understanding of course material. Knowledge of basic concepts and terminology is demonstrated. Written work is satisfactory and meets essential requirements but could be improved significantly in form and content. Note: All prerequisites for courses offered by the Faculty of Arts must be met with a minimum grade of C-.

D range: *Marginally meets standards.* Minimal understanding of subject matter. Written work is marginally acceptable and meets basic requirements but requires substantial improvements in form and content. Student has not mastered course material at a level sufficient for advancement into more senior courses in the same or related subjects.

F grade: *Course standards not met.* Inadequate understanding of subject matter. Written work does not meet basic requirements. Student has not demonstrated knowledge of course material at a level sufficient for course credit.

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 Sep 8	Lecture begins.
W Sep 9	<i>Introduction to the Course</i>
F Sep 11	<i>Basic Pharmacology (Chapter 1)</i>
M Sep 14	<i>Basic Pharmacology (Chapter 1) cont.</i>
W Sep 16	<i>Basic Pharmacology (Chapter 1) cont.</i>
F Sep 18	<i>Behavioural Analysis of Drugs (Chapter 2)</i> Last day to drop full courses (Multi-term) and Fall Term half courses. No refunds for full courses (Multi-term) or Fall Term half courses after this date.
M Sep 21	<i>Behavioural Analysis of Drugs (Chapter 2) cont.</i> Last day to add or swap full courses (Multi-term) and Fall Term half courses. Last day for change of registration from audit to credit or credit to audit.
W Sep 23	<i>How we Adapt to Drugs (Chapter 3)</i>
F Sep 25	<i>How we Adapt to Drugs (Chapter 3) cont.</i> Fee payment deadline for Fall Term full and half courses.
M Sep 28	<i>Neurotransmitters (selections from Chapter 4)</i>
W Sep 30	<i>Neurotransmitters (selections from Chapter 4) cont.</i>
F Oct 2	<i>Substance Use and Addictive Disorders (Chapter 5)</i>
M Oct 5	<i>Substance Use and Addictive Disorders (Chapter 5) cont.</i>
W Oct 7	<i>Substance Use and Addictive Disorders (Chapter 5) cont.</i>
F Oct 9	MIDTERM #1 (covering chapters 1 to 5)
M Oct 12	Thanksgiving Day, University closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.
W Oct 14	<i>Alcohol (Chapter 6)</i>
F Oct 16	<i>Alcohol (Chapter 6) cont.</i>
M Oct 19	<i>Tobacco and Nicotine (Chapter 8)</i>
W Oct 21	<i>Tobacco and Nicotine (Chapter 8) cont.</i>
F Oct 23	<i>Caffeine (Chapter 9)</i>
M Oct 26	<i>Psychomotor Stimulants (Chapter 10)</i>
W Oct 28	<i>Psychomotor Stimulants (Chapter 10) cont.</i>
F Oct 30	<i>Opiates (Chapter 11)</i>
M Nov 2	<i>Opiates (Chapter 11) cont.</i>
W Nov 4	<i>Cannabis (Chapter 14)</i>
F Nov 6	<i>Cannabis (Chapter 14) cont.</i>
M Nov 9	MIDTERM #2 (covering chapters 6, 8, 9, & 10)
Nov 11-15	Reading Days. No lectures.
W Nov 11	Remembrance Day (Observed). University Closed (except Taylor Family Digital Library, Law, Medical, Gallagher and Business Libraries). No lectures.
F Nov 14	Reading Days. No lectures.
M Nov 16	<i>Anxiolytics and Sedative Hypnotics (Chapter 7)</i>
W Nov 18	<i>Anxiolytics and Sedative Hypnotics (Chapter 7) cont.</i>
F Nov 20	<i>Anxiolytics and Sedative Hypnotics (Chapter 7) cont.</i>

M Nov 23	<i>Antidepressants (Chapter 13)</i>
W Nov 25	<i>Antidepressants (Chapter 13) cont.</i>
F Nov 27	<i>Antipsychotics (Chapter 12)</i>
M Nov 30	<i>Antipsychotics (Chapter 12) cont.</i> *RESEARCH PROPOSAL DUE IN CLASS AND ON D2L*
W Dec 2	<i>Geriatric Psychopharmacology (supplemented readings)</i>
F Dec 4	<i>Geriatric Psychopharmacology (supplemented readings)</i>
M Dec 7	Final Exam Review Class
T Dec 8	Fall Term Lectures End. Last day to withdraw with permission from Fall Term half courses.
Dec 11-22	Fall Term Exam Period.

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; no reappraisal of term work is permitted after the 15 days. 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

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services ; SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/.

Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor.

The full policy on Student Accommodations is available at http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy_0.pdf.

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 up to 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 during exam make-up hours provided by the department <http://psychology.ucalgary.ca/undergraduate/exam-and-course-information#mues>. If a student cannot write their final exam on the date assigned by the Registrar's Office, they need to apply for a deferred exam http://www.ucalgary.ca/registrar/exams/deferred_final. Under no circumstances will this be accommodated by the department.

Travel During Exams

Consistent with University regulations, students are expected to be available to write scheduled exams at any time during the official December and April examination periods. Requests to write a make-up exam because of conflicting travel plans (e.g., flight bookings) will NOT be considered by the department. Students are advised to wait until the final examination schedule is posted before making any travel arrangements. If a student cannot write their final exam on the date assigned by the Registrar's Office, they need to apply for a deferred exam http://www.ucalgary.ca/registrar/exams/deferred_final. Under no circumstances will this be accommodated by the department.

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 255), 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.

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 8, 2015**

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

Student Ombudsman's Office

The Office of the Student Ombudsmen provides independent, impartial and confidential support for students who require assistance and advice in addressing issues and concerns related to their academic careers. The office can be reached at 403-220-6420 or ombuds@ucalgary.ca (<http://www.su.ucalgary.ca/services/student-services/student-rights.html>).

Safewalk

The safewalk program provides volunteers to walk students safely to their destination anywhere on campus. This service is free and available 24 hrs/day, 365 days a year.

Call 403-220-5333.

Important Dates

The last day to drop this course with no "W" notation and **still receive a tuition fee refund** is **September 18, 2015**. Last day for registration/change of registration is **September 21, 2015**. The last day to withdraw from this course is **December 8, 2015**.