

PSY 383: Psychoactive Drugs

Fall 1991

Instructor: Joanne H. Carlson, Ph.D.

Teaching Assistant: Mike Bryant

U of O Catalog Course Description: Physiological and behavioral effects of psychoactive drugs such as alcohol, opiates, barbiturates and excitants. The psychology of use and overuse; therapies for correcting drug problems.

Instructor's Course Description: Students will learn general principles of neurotransmission and pharmacology necessary to understand physiological and behavioral effects and mechanisms of action of psychoactive drugs such as stimulants, depressants, opiates, antipsychotics, antidepressants, lithium, marijuana and hallucinogens. The psychology of use and misuse and therapies for drug problems will also be discussed.

Time and Location: Class meets on Tuesday and Thursday at 2:00-3:20 p.m. in 123 Pacific.

Instructor's Office Hours:

312 Straub
3:30-4:20 p.m. Tuesday and Thursday
and by appointment
346-4927

Textbook (required): Drug Use and Misuse by S.A. Maisto, M. Galizio and G.J. Connors. 1991: Holt, Rinehart and Winston, Inc.

Packet (required): On sale in campus copy center. You may wish to bring the packet to each class to refer to figures discussed during lectures.

Additional reading (all are on reserve in Knight Library except as noted):

- 1) Snyder- Drugs and The Brain
- 2) Ray and Ksir- Drugs, Society and Human Behavior
- 3) McKim- Drugs and Behavior
- 4) Cooper, Bloom and Roth- The Biochemical Basis of Neuropharmacology
- 5) Goodman and Gilman- The Pharmacological Basis of Therapeutics (on reserve in Science Library)
- 6) Groves- Introduction to Physiological Psychology
- 7) Julien- A Primer of Drug Action

Exams and Grading Policy: There will be **two midterm examinations** and **one cumulative final examination**. The format of the exams will include multiple choice, true/false and matching questions. Study guides will be available and there will be a review session held prior to each exam, at times to be announced.

Each midterm exam score will account for 30% of your grade and the final exam score will account for 40% of your grade. Grades will be determined from a curve comparing your scores with those of your classmates. Make sure you understand the above policy; THERE WILL BE NO EXCEPTIONS TO THIS POLICY FOR ANY REASON. YOU MUST TAKE THE EXAMS AT THE SCHEDULED TIMES; THERE WILL BE NO MAKE-UP EXAMS AND THERE ARE NO ALTERNATIVE WAYS TO MAKE UP LOST POINTS. It is up to you to see the instructor if you do poorly on the first exam and are interested in determining how you can improve your performance on subsequent exams.

Student Participation While the majority of the time spent in each class will consist of listening to the instructor and taking notes, student participation is encouraged. Please ask questions to clarify the material discussed and feel free to openly share relevant experiences. Sharing your knowledge of the street and campus drug scene will enhance our discussions greatly. There are many myths to explore and much confusion and folklore regarding drug use and misuse. In addition, at the beginning of each section on a class of drugs, it would be informative to have a student speaker to share his or her relevant experiences. If you would like an opportunity to speak to the class about drug experiences you have had, please see the instructor to arrange a 5-10 minute period to talk about your experience.

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SCHEDULE

<u>Week</u>	<u>Lecture</u>	<u>Date</u>	<u>Topic</u>	<u>Text Chapter</u>	<u>Packet Pages</u>
1	1	9-24	Course Intro. & Intro.to Nervous System	1,3	1-14
	2	9-26	Basic Neurophysiology Neurotransmitters	3	1-14
2	3	10-1	Drug Effects on Neurotransmission Organization of the Nervous System	3	8-9,15
	4	10-3	Physiological Disposition of Drugs Factors Underlying Individual Differences in Drug Effects	1,4,14	16-20
3	5	10-8	Drug-Receptor Interactions Quantitative Aspects of Drug Effects	4	21-26
	6	10-10	Stimulants- Cocaine, Amphetamine	5	27-30,83-85
4	7	10-15	MIDTERM EXAM #1 (covers lectures 1-5)		
	8	10-17	Stimulants-Cocaine, amphetamines Methyl Xanthines	5,6	27-32,83-85
5	9	10-22	Nicotine	6	33
	10	10-24	Depressants-Alcohol	7	34-39
6	11	10-29	Depressants-Barbiturates, Benzodiazepines miscellaneous (e.g. inhalants)	8	39,84-86
	12	10-31	GUEST SPEAKER- Incidence and Treatment of Drug Abuse Peter Asmuth- Serenity Lane	15	
7	13	11-5	MIDTERM #2 (covers lectures #6, 8-12)		
	14	11-7	Antipsychotics	9	40-54

8	15	11-12	Antipsychotics and Antidepressants	9	40-70
	16	11-14	Antidepressants, Lithium, miscellaneous mood stabilizers	9	55-70
9	17	11-19	Opiates	10	71-73,83,85
	18	11-21	Opiates, Marijuana	10,11	71-75,83-85
10	19	11-26	Marijuana, Hallucinogens	11,12	74-80,83-84
	--	11-28	HAPPY THANKSGIVING!! (no class)		
11	20	12-3	Hallucinogens	12	76-80,83-84
	21	12-5	Hallucinogens	12	76-82,83-84
12	--	12-13	FINAL EXAMINATION (covers entire course) Friday, 1:00-3:00 p.m.		