

PSYCH 383 -- Psychoactive Drugs

Summer 1989

Dr. Ethan Allen

Straub 327

x4928

Meets: Monday - Thursday, 1:30 - 2:20, in Straub 154

Text: Drugs and Human Behavior by D. M. Grilly

This course is an overview of the rapidly expanding, multidisciplinary field of psychopharmacology. As such, it can neither be comprehensive nor can it cover any topic in great depth. Psychopharmacology involves aspects of biochemistry, physiology, neuroscience, psychology, and other fields. I hope to impart to you an understanding of the basic mechanisms of psychoactive drug action and an appreciation of the breadth of the field and the types of research which contribute to it.

The class format will be informal lectures and discussion. I strongly urge participation in the form of questions, relevant comments, etc. In addition to the readings assigned below, some supplemental readings will be assigned in class.

There will be three exams of multiple choice/short essay/fill in the blank/true-false format. The final will count for 50% of your grade and each of the other tests will count for 25%. If you miss an exam without making prior arrangements, be prepared to provide a valid, verifiable reason (e.g., death in family or doctor's note) or face the loss of points. I will be happy to work out with any of you an individual set of goals in lieu of or supplementary to the exams. This could take the form of one or more research papers or projects. If you wish to take advantage of this option, you must make arrangements with me to do so by July 4th.

<u>Date</u>	<u>Read</u>	<u>Topic</u>
6/20	----	Introduction; goals/expectations
6/21	Ch. 1	History; patterns of use
6/22	Ch. 2	Basic pharmacology
6/26	Ch. 3	Pharmacokinetics
6/27	Ch. 4	Neurobiology I; the neuron
6/28	Ch. 4/5	Neurobiology II; neurotransmission
6/29	Ch. 5	Neurobiology III; the nervous system
7/3	Ch. 6	Tolerance and dependence
7/4	----	holiday

7/5	----	Exam 1
7/6	Ch. 7	Classification
7/7-7/9	----	(Optional, but highly recommended lab/field trip) Oregon Country Fair
7/10	Ch. 8	Sedative-Hypnotics I; alcohol
7/11	"	Sedative-Hypnotics II; barbiturates
7/12	Ch. 9	Psychostimulants I; amphetamine
7/13	"	Psychostimulants II; cocaine
7/17	"	Psychostimulants III; abuse, etc.
7/18	Ch. 10	Opioids I; types and effects
7/19	"	Opioids II; antagonists, dependence
7/20	----	Exam 2
7/24	Ch. 11	Psychedelics I; monoamine-related
7/25	"	Psychedelics II; cannabinoids
7/26	"	Psychedelics III; dissociative anesthetics
7/27	Ch. 12	Antipsychotics I; schizophrenia
7/31	"	Antipsychotics II; effects & types
8/1	Ch. 13	Antidepressants
8/2	"	Antimanic drugs
8/3	Ch. 14	ADD, autism, & childhood illnesses
8/7	"	Obsessive-compulsive, epilepsy, et al.
8/8	"	Parkinson's & geriatric psychopharm.
8/9	----	Review
8/11 (Fri)	----	Final exam (3:30 - 5:30)