

BEHAVIORAL PHARMACOLOGY 830:463 Spring 2012  
 Mon & Thurs 1st (8:40 - 10:00) SEC 117  
 Dr. George Wagner Busch Psychology room 229  
 office hours: Tues 8:00-9:00 or by appt; phone:445-4660  
 optional text: Robert Julien "A Primer of Drug Action"

<u>date</u>	<u>topic</u>	<u>Chapters</u>
1/19	Introduction	
1/23	Neurophysiology/neuroanatomy	
1/26	Principles of Behavior	
1/30	Schedules of Reinforcement	
2/2	Rate-dependent Effects	
2/6	Drug Discrimination	
2/9	General Pharmacology	
2/13	Neuropharmacology	
2/16	Tolereance: Behavioral and Pharmacological	Chapters 1,2,3
2/20	EXAM I	
2/23	Dopamine: Models of Parkinson's Disease	
2/27	methamphetamine/MPTP toxicity	
	conditioned avoidance	
3/1	Animal Models of Schizophrenia	
3/5	chronic amphetamine (rats, primates, humans)	
	conditioned avoidance (neuroleptic potency order)	
	tardive dyskinesia	
3/8		
3/19	Animal Models of Drug Self-Administration	
	substitution/choice	
	place preference, classical conditioning	
	schedule-induced	
3/22	Animal Models of Developmental Disorders	
3/26	early 6-HDA treatment	Chapters 9,10,11,13,21
	autism/ADD	
3/29	Exam II	
4/2	Norepinephrine: Models of Depression	
4/5	learned helplessness; DRL; behavioral despair	
4/9	Serotonin: Models of Aggression	
	resident-intruder and target biting	
4/12	Animal Models of Food Intake	
4/16	Amino Acids: Models of Anxiety	
	Geller/Seifter; contrast	
4/19	Pain/Opiates	
4/23	tail flick, hot plate	
	conditioned tolerance	
4/26	Review	Chapters 4,5,6,7,8,16
4/30	EXAM III	
5/8	FINAL EXAM 4:00 - 5:20 (optional)	

This is a comprehensive make-up exam. Your three highest grades will be used to determine your final grade. Should you miss any of the first three exams, you

must take the final exam. Exams are cumulative with respect to material on all previous exams.

Student Code of Conduct in effect during class hours.