

BEHAVIORAL PHARMACOLOGY 830:463 Spring 2018

Mon and Thurs 10:20-11:40 ARC 105

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office hours: Mon 9:00-10:00; phone:445-4660

optional text: Robert Julien "A Primer of Drug Action"

<u>date</u>	<u>topic</u>	<u>Chapters</u>
1/18	Introduction	
1/22	Neurophysiology/neuroanatomy	
1/25	Principles of Behavior	
1/29	Schedules of Reinforcement	
2/1	Rate-dependent Effects	
2/5	Drug Discrimination	
2/8	General Pharmacology	
2/12	Neuropharmacology	
2/15	Tolereance: Behavioral and Pharmacological	Chapters 1,2,3
2/19	EXAM I	
2/22	Dopamine: Models of Parkinson's Disease	
2/26	methamphetamine/MPTP toxicity conditioned avoidance	
3/1	Animal Models of Schizophrenia	
3/5	chronic amphetamine (rats, primates, humans) conditioned avoidance (neuroleptic potency order)	
3/8	tardive dyskinesia	
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 autism/ADD	Chapters 9,10,11,13,21
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	

5/7 FINAL EXAM 10:00 to 11:00 (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.

Student Code of Conduct in effect during class hours.