

BEHAVIORAL PHARMACOLOGY 830:463 Fall 2019

Monday - Thursday 10:20-11:40 SEC 217

Dr. George Wagner Busch Psychology room 229

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office hours: Monday 9:00-10:00 phone:848-445-4660

optional text: Julien A Primer of Drug Action (any edition)

<u>date</u>	<u>topic</u>	<u>Chapters</u>
9/5	Introduction	
9/9	Neurophysiology/neuroanatomy	
9/12	Principles of Behavior	
9/16	Schedules of Reinforcement	
9/19	Rate-dependent Effects	
9/23	Drug Discrimination	
9/26	General Pharmacology	
9/30	Tolerance (Behavioral/Pharmacological)	
10/3	Mechanism of Action/Drug Effect	Chapters 1, 2, 3
10/7	EXAM 1	
10/10	Dopamine: Models of Parkinson's Disease	
10/14	methamphetamine/MPTP toxicity conditioned avoidance	
10/17	Animal Models of Schizophrenia	
10/21	chronic amphetamine (rats, primates, humans) conditioned avoidance (neuroleptic potency order) tardive dyskinesia	
10/24	Animal Models of Drug Self-Administration	
10/28	substitution/choice place preference, classical conditioning	
10/31	schedule-induced	
11/4	Animal Models of Developmental Disorders	
11/7	EXAM II	Chapters 7,8,11,12,13,17,18,19
11/11	Autism	
11/14	Depression	
11/18	Norepinephrine: Models of Depression	
11/21	Serotonin: Models of Aggression	
11/25	Animal Models of Food Intake	
11/26	Amino Acids: Models of Anxiety	
12/2	Pain/Opiates (tail flick; hot plate	
12/5	Acetylcholine: Models of Alzheimer's	
12/9	EXAM III	Chapters 4,5,6,9,14,15,16
12/23	FINAL EXAM 10:00 AM (this is a comprehensive make-up exam)	

All exams will be in essay-format. 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.