Psychopharmacology: How Drugs Affect Behavior (PSYC 362)

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Office: Pettengill 359 (6184)

Winter, 2011
Office Hours: 9-10 T & 9:30-11:30 Th and by appointment


Reserved Reading: On back

Jan. 10 Introduction
12 Basic Pharmacology: Pharmacokinetics and pharmacodynamics (Ch 1, esp. 21-31)
14 Basic Neuroscience: Nerve action potentials and synaptic transmission (Ch 2, esp. 40-47; Ch 3)
21 Acetylcholine and Alzheimer’s (Ch 6, 140-151; Marighetto et al., 2008)
24 Dopamine, Parkinson’s, and Norepinephrine (Ch 5; Schapira, 2008; Kelsey et al., 2009) Quiz
28 Serotonin, Glutamate, and GABA (Ch 6, 151-160; Ch 7; Ch 14, 358-363; Didriksen et al., 2007)
31 Drug Classification and Schedules; Anxiolytics/Sedatives (Ch 1, 22-23; Chs 4 & 17; Low et al., 2000; Davis et al., 2005; Kindt et al., 2009)

Feb. 4 Alcohol (Ch 9; Gross et al., 2001; Maisto et al., 2004)
11* Exam 1

Mar. 9 Stimulants: Cocaine and Amphetamine (Ch 11; Tafsili-Fahadan et al., 2010; Fiorino & Phillips, 1999)
14 Nicotine and Caffeine (Ch 12; Bannon et al., 1998; Rollema et al., 2007)
18 Opiates: Pain (Ch 10, 246-260; Fields, 2009)
28* Addiction (Ch 10, 260-272; Redila & Chavkin, 2008)

Apr. 14 Marijuana and Cannabinoids (Ch 13; Murray et al., 2007)

Exam 2

18 Antipsychotics: Dopamine hypothesis (Ch 18; Javitt & Coyle, 2003; Harvey et al., 2003)
21 Antidepressants: Norepinephrine and serotonin (Ch 16; Blier & de Montigny, 1998; Arkowitz & Lilienfeld, 2007; Li et al., 2010)
25 Bipolar disorder (Goldberg, 2007; Emilien et al., 1996)
28 Attention Deficit Disorder (ADD & ADHD) and Cognitive Enhancers (Pelham et al., 2005; Stix, 2009)
30 Hallucinogens, Inhalents, and Others (Chs 14 & 15; Vollenweider & Kometer, 2010)

April 4-6 Student Presentations: Policy and ethical issues
8 Placebo Effects (Colloca & Benedetti, 2005)
14 Final Exam: 8:00 AM

* I will be out of town on February 11 and March 4

Tentative Grading Percentages

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<tr>
<th>Component</th>
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<td>Quiz</td>
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<td>Exam 1</td>
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<td>Comprehensive Final Exam</td>
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5% Placebo Effects

100% Final Exam
References


