

Fall 9-1-2005

BMED 610.01: Neuropharmacology

Unknown

University of Montana - Missoula

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BMED 610: Neuropharmacology (3 Cr) **Schedule/Outline Fall 2005**

TIME: 9:40 AM – 11:00 AM (Tuesdays and Thursdays) in SB 111

Each section in this class will be blocked into three week sections:

The first week will present an introduction and background to the specific topic and handing out any assignment details for the students' requirements for the third week of that block.

The second week of each section will provide the details of the topic with specific research examples demonstrating how pharmacology is used to answer research questions. Each topic should be a detailed analysis/demonstration of a specific example of applied neuropharmacological research that includes a critical evaluation of the methods, results and applicability to the field of neuropharmacology.

The third week students will either be asked to make a presentation or will be given a test concerning the details of that previous two-week section.

A take-home final exam will be handed out the week before finals week to be turned in by Thursday, December 15th at 5:00 PM. The major emphasis in class will be how pharmacology can be used within the study of particular systems to “pick apart” the functions of the neurotransmitters in physiological/pathological paradigms.

<u>BLOCK OF 3 WEEKS</u>	<u>TOPIC</u>	<u>NAME</u>
Sept 1 6&8, Sept 13&15	Intro & Non-catecholaminergic Monoamines: Serotonin & Histamine	KP
Sept 20&22, 27&29 & Oct 4&6	Catecholamines	CJ
Oct 11&13, 18&20, 25&27	Amino Acids Neurotransmitters	RB/MK
Nov 1&3, 8&10, 29 th &*Dec 1	ACH & analog-induced Receptor Changes	DJ
Week of Nov 24 th	*No meeting Week of Neuroscience Meeting: (11/17) No Class – Thanksgiving	
End of Class Dec 6&8	Class Evaluation/Student Neuroscience Presentations/ Summary & Handout Final Exam (on 8 th)	
Dec 15 th	Final Exam Handed In (5:00 PM) to CJ's mailbox	

Instructors:

CJ = Craig A. Johnston, Ph.D. (Skaggs Bldg., Rm 352; 243-5061)
 DJ = Darrell Jackson, Ph.D. (Skaggs Bldg., Rm 243; 243-5761)
 KT = Keith Parker, Ph.D. (Skaggs Bldg., Rm 242; 243-4235)
 RB = Richard Bridges, Ph.D. (Skaggs Bldg., Rm 385; 243-4972)
 MK = Michael Kavanaugh, Ph.D. (Skaggs Bldg., Rm 301; 243-4398)

Textbook: "The Biochemical Basis of Neuropharmacology" eds: Jack R. Cooper, Floyd E. Bloom, and Robert H. Roth; 8th edition, Oxford Univ. Press, 405 pgs., 2003 (price about \$40.00)