

Syllabus
Neuropharmacology
 Fall 2005

PHR 383D, NEU 383D (#62970, #65560)
 TTh 2:00-3:30 pm, PHR 2.208

Course coordinator: Dr. Rueben Gonzales
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 471-5192, PHR 5.224A

Date	Topic	Lecturer
1-Sep	Synaptic transmission	Dr. Gonzales
6-Sep	Synaptic proteins	Dr. Gonzales
8-Sep	Neurochemical methods	Dr. Gonzales
13-Sep	Behavioral neuropharmacology	Dr. Duvauchelle
15-Sep	Electrophysiological methods in neuropharmacology	Dr. Morrisett
20-Sep	Molecular biological methods in neuropharmacology	Dr. Bergeson
22-Sep	Exam 1 - lectures from Sep 1-Sep 20	
27-Sep	Signal transduction-overview	Dr. Gonzales
29-Sep	Ion channels	Dr. Gonzales
4-Oct	Signal transduction-G proteins, kinases	Dr. Gonzales
6-Oct	Dopamine	Dr. Wilcox
11-Oct	Dopamine	Dr. Wilcox
13-Oct	Exam 2 - lectures from Sep 27-Oct 11	
18-Oct	Cannabinoids	Dr. Duvauchelle
20-Oct	Neuroactive peptides	Dr. Gonzales
25-Oct	Neuroactive peptides	Dr. Gonzales
27-Oct	Norepinephrine	Dr. Wilcox
1-Nov	Serotonin	Dr. Wilcox
3-Nov	Exam 3 - lectures from Oct 18-Nov 1	
8-Nov	Excitatory amino acids	Dr. Gonzales
10-Nov	Excitatory amino acids	Dr. Gonzales
15-Nov	Neuroscience meeting - no class	
17-Nov	Neuroscience meeting - no class	
22-Nov	Excitatory amino acids	Dr. Gonzales
24-Nov	Thanksgiving Day - no class	
29-Nov	Inhibitory neurotransmitters	Dr. Morrisett
1-Dec	Inhibitory neurotransmitters	Dr. Morrisett
6-Dec	Cholinergic pharmacology	Dr. Morrisett
8-Dec	Cholinergic pharmacology	Dr. Morrisett

Final Exam - Saturday Dec 17, 9 am - 12 pm

Required text: The Biochemical Basis of Neuropharmacology, Cooper, Bloom, Roth, eds., Oxford Press, 2003
 Outside readings may also be required and will be given to you by individual instructors.

Exams 1-3 will be scheduled in the evenings (to be announced) and may consist of objective (multiple choice, matching, etc.) or subjective (short answer, essay) type questions. For each exam there will be one take home question to be turned no later than one week after it has been handed out. The take home question will be an integrative question dealing with experimental design.

Final grades will be determined by the average of the four exams using the standard scale (A \geq 90, etc).
 All 4 exams will be weighted equally. Credit will be given for an average \geq 70.

****** PLEASE NOTE THE FOLLOWING ******

The final exam schedule is set by the University, and it will not be rescheduled.

Scholastic honesty guidelines will be enforced. For take home questions it is not acceptable to work together including sharing answers or using answers from previous years.