

BIBB 109/PSYC 109/BIOL 109**Syllabus – Fall 2009**

<u>Week</u>	<u>Topic</u>	<u>Chapter</u>	<u>Lab</u>
1 W 9/9	Intro	1	
F 9/11	Cell biology/membrane potential	2,3	
2 M 9/14	Signal transmission/action potential	4	
W 9/16	Signal transmission/v-gated channels	4	
F 9/18	NO CLASS	5	
3 M 9/21	Synaptic transmission/chemical vs electrical	5	1
W 9/23	Synaptic transmission/ionotropic channels	6	
F 9/25	Synaptic transmission/metabotropic receptors	6	
4 M 9/28	Neuronal logic/spatiotemporal integration	5	
W 9/30	NMDA-r/synaptic plasticity	23	
F 10/2	EXAM 1		
5 M 10/5	Taste	8	
W 10/7	Olfaction	8	
F 10/9	Audition/signal transduction	11	
6 M 10/12	Audition/stimulus encoding	11	2
W 10/14	Vision/signal transduction	9	
F 10/16	NO CLASS [Neuroscience meeting] [drop ends]		
7 M 10/19	FALL BREAK		
W 10/21	NO CLASS [Neuroscience meeting]	9	
F 10/23	Vision/retinal processing	9	
8 M 10/26	Vision/parallel processing	10	3
W 10/28	Vision/striate cortex	10	
F 10/30	Movement/neuromuscular junction	13	
9 M 11/2	Movement/spinal control	13	
W 11/4	Movement/CNS control	14	
F 11/6	EXAM 2		
10 M 11/9	Hypothalamus/ Feeding behavior	15, 16	
W 11/11	Sleep	19	
F 11/13	Circadian rhythms	19	
11 M 11/16	Sexual differentiation/anatomy	17	
W 11/18	Sexual differentiation/behavior	17	
F 11/20	Learning & memory/approaches	24	
12 M 11/23	Learning & memory/sensitization	25	
W 11/25	NO CLASS		
F 11/27	THANKSGIVING BREAK		
13 M 11/30	Learning & memory/long-term memory	25	4
W 12/2	Learning & memory/Alzheimer's		
F 12/4	Emotion & fear	18	
14 M 12/7	Language	20	
W 12/9	Summary/conclusions		
F 12/?	FINAL EXAM [tentative date]		

Course Director:

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Recitation/Lab

Head TA

409 (Th 3-4:30)

403 (Tu 10:30-12)

406 (Th 9-10:30)

407 (Th 10:30-12)

402 (Tu 9-10:30)

408 (Th 1:30-3)

404 (Tu 1:30-3)

Textbook: Bear, Connors, Paradiso (2006) Neuroscience Exploring the Brain (3rd ed). Books are available at University Bookstore. ISBN 0-7817-6003-8

Blackboard: <https://courseweb.library.upenn.edu/>

This site has been set-up to facilitate student participation and communication with other students, their teaching assistants and the instructors. Lecture slides and announcements will be posted on this site.

Recitations/Labs:

All recitations/labs will meet in room A3 Solomon Psych Lab Bldg with the exception of Lab 1. **Lab 1 only:** All Tuesday recitations will meet in the Neuro Lab (Basement Leidy) and Thursday recitations will meet in room BS3 in DRL (aka PC Lab 1). You may not attend another recitation without permission of the Head TA, the Program Coordinator or the Course Director.

Examinations: There will be two non-cumulative examinations and a cumulative final exam.

- ! The University recognizes religious holidays. If there are students who have a problem with the schedule date for an exam, they must take the exam the day before the scheduled examination date. Please see the Head TA, Keith Feigenson or Dr. Medina during the first week of classes.
- ! No makeup exams will be given unless the students presents a *bona fide* excuse. All acceptable makeup exams must be scheduled with the Head TA.
- ! Regrading - It is within your right to request that an exam question be regraded. Any such request should be given to the Head TA within one week after the exam is returned, and it will result in the reexamination of the grading of the entire exam. *You may write your exams in pencil, but no exam written in pencil will be regraded.*
- ! The final grade will be based on two exams = 25% each, cumulative final = 40% and lab quizzes = 10% of final grade.