

BIOS/PSCH/PHIL 485: NEUROSCIENCE II
SPRING 2011
MWF 1:00 – 1:50
205 GH

COORDINATOR:

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INSTRUCTORS:

John Hetling	jhetli1@uic.edu	Bioengineering
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David Wirtshafter	davew@uic.edu	Psychology

TEACHING ASSISTANT: Mary Clare Kane mkane1@uic.edu

OFFICE HOURS: Students should contact the teaching assistant, coordinator or instructor to arrange for an appointment at a mutually convenient time.

TEXT: Neuroscience 4th Edition, by Purves et al, Sinauer Associates Press 2008.

GOALS AND OBJECTIVES: To explore in depth brains and nervous systems and present current information on how they are studied.

ATTENDANCE:

Attendance is expected at all scheduled lectures; each exam will be based on material discussed in class.

Attendance is required at all scheduled exams, except in cases of illness, mandatory religious obligations or official University activities. To be excused from attending an exam an official medical certificate or an affidavit is required.

Students are able to drop a course without penalty through Friday of the second week of the semester. Late drops are subject to the College of LAS rules (Consult with the College advisor, 996-3366).

GRADING: There will be a total of three exams which will stress material discussed in class. Eighty-five percent of the total points will come from exams (two "hour exams" worth 25% of your grade each, and a comprehensive final worth 35%). The remaining 15% of points will from a poster presentation, tentatively scheduled for 3/18/10. Details of this assignment will be provided in class.

9. Motivation Continued
David Wirtshafter 3/7/11 Ingestive Behavior I
3/9/11 Ingestive Behavior II
3/11/11 Reward/Reinforcement
10. Learning and Memory
Kara Morgan-Short 3/14/11 Neural Basis of Language
3/16/11 Neural Basis of Second Languages
3/18/11 Poster Session
11.
Mitchell Roitman 3/28/11 Limbic System & Learning I
3/30/11 Limbic System & Learning II
4/1/11 Second Hour Exam
12. Neuropsychology / Hormonal Influences
Melissa Lamar 4/4/11 Neuropsychology
Pauline Maki 4/6/11 Estrogen, Cognition & Brain Function
4/8/11 Testosterone Cognition and the Aging Male
13. Theoretical and Human Neuroscience
Deborah Little 4/11/11 Cognitive Neuroscience I
4/13/11 Cognitive Neuroscience II
David Wirtshafter 4/15/11 Interhemispheric Connections
14. Neuroengineering and Philosophical Perspectives on Neuroscience
David Wirtshafter 4/18/11 Interhemispheric Connections II
John Larson 4/20/11 Diseases of the Nervous System
4/22/11 Disorders of Thought & Mood
15. Philosophy and Disturbances of the Human Nervous System
Dave Hilbert 4/25/11 Historical Perspectives on Consciousness
4/27/11 Modern Views of Consciousness
4/29/11 Free Will