

P S Y C H O L O G Y 6 1 5
P H Y S I O L O G I C A L P S Y C H O L O G Y
F a l l S e m e s t e r 2 0 1 1

INSTRUCTOR: Kenneth J. Sufka, Ph.D.
Professor of Psychology and Pharmacology
Research Professor, RIPS/NCNPR

OFFICE: 311B Peabody Building OFFICE HRS: TTh 11-12:00, by appt. & whenever the office door is open
PHONE: 662-915-7728 E-MAIL: pysufka@olemiss.edu

CATALOG DESCRIPTION: Neuroanatomical and neurochemical basis of behavior.

COURSE OBJECTIVES: This course is designed to provide you with **current** and **accurate** information about the relationship between brain and behavior. Being literate in the brain sciences is important in your professional career. Most discussions of human (and animal) behavior, cognition and emotion, and alterations therein, typically include some mention of brain functioning. I hope you will enjoy the course; I am certain you will learn much.

COURSE MEETING TIME AND LOCATION: Thursday, 1-3:45 in 210 Peabody.

COURSE TEXT AND ANCILLARY MATERIALS:

- *Physiology of Behavior*, 10th ed., by N. Carlson; Allyn and Bacon, 2010 - **required**
- Please see UM's Blackboard for PDFs of lecture slides.

COURSE ATTENDANCE: Attend every lecture. It is my first of many rules you should follow to do well in this course. Arrive on time and well prepared. Be attentive and participate in discussions. Take copious notes. Ask questions when needing clarification. Please silence cell phones and refrain from texting during lectures.

COURSE EXAMS: Three exams will be administered throughout the term. Exam format will consist of short answer, identification and essay type questions. You will be permitted the entire class period to complete exams. Exams are each worth 25% towards your final course grade.

REVIEW PAPER: This 10-15 page paper should be written in APA format and contain a half dozen or more recent empirical articles (see underlined areas below for topics) and be of a topic that would be titled something like "The Neurobiology of X". Symptom description, prevalence, etiology, neuropathology and treatment strategies are elements that should appear in the review paper. Please discuss your topic with me before embarking on this project. Papers are due at the start of class on 11/11; late papers will not be accepted so plan accordingly. This paper is worth 25% towards your final course grade.

GRADING: Exams, term paper and final grades will be assigned according to the percentages provided below.

A	.90-100	C	.70-.799	F	≤ .599
B	.80-.899	D	.60-.699		

ACADEMIC INTEGRITY POLICY: Any evidence of academic dishonesty (e.g., cheating, plagiarism) will result in an F grade assigned for the course and a recommendation of expulsion. I suggest the following website for a tutorial on definitions and examples of plagiarism: <https://plagiarism.duke.edu/>. Further details concerning academic dishonesty procedures can be found in the M-Book.

SPECIAL NEEDS: Any student requiring assistance should contact the Office of Student Disability Services at 915-7128. I will be happy to make reasonable accommodations. However, producing notification of need for accommodation the day of a test may not be honored.

C O U R S E C A L E N D A R F A L L 2 0 1 1

DATE	TOPIC	TEXT READINGS
Aug 25	Neurons and Neural Communication	29-66
Sep 1	Structure of the Nervous System	69-100
Sep 8	Neurotransmitters & Psychopharmacology	103-132
Sep 15	Neuroscientific Methods	135-167
Sep 22	EXAM 1: <i>Lecture and text material to date</i>	
Sep 29	Vision	170-210
Oct 6	Audition and Language	213-234, 486-519
Oct 13	Somatosensation & Motor Systems	237-249, 268-293
Oct 20	Disorders of Movement	535-543
Oct 27	EXAM 2; <i>lecture and text material since exam 1</i>	
Oct 3	Memory, Neuroplasticity & Alzheimer's Disease	444-484, 543-548
Nov 10	Emotion & Reward Mechanisms/Addiction	367-380, 461-464, 614-639
Nov 17	Schizophrenia	555-571
Nov 21-25	<i>No Classes: Fall Recess</i>	
Dec 1	Affective Disorders	571-584
Dec 8	EXAM 3 @ 1:00 am; <i>lecture and text material since Exam 2</i>	

THIS SCHEDULE IS SUBJECT TO CHANGE IN CASES OF EXTENUATING CIRCUMSTANCES