

**Psychology 312
Brain and Behavior
Fall 2007
Section 001
MWF 9-9:50 in CB 208**



INSTRUCTOR:

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OFFICE HOURS:

WF 10-11 and by appointment

THE COURSE

Prerequisites: PSY 100 and PSY 215 or 216

Overview: Psychology 312 is one of the required core courses for psychology majors. This course will introduce you to a number of topics concerning brain-behavior relations. Because of the breadth of the field, there will not be time to cover all the major areas, but we will cover the basic principles of brain organization and neural transmission, and explore topics such as psychopharmacology, vision, audition, control of movement, the biological basis of learning and memory, language, schizophrenia, and depression.

REQUIRED TEXT

Carlson, N. R. (2008). *Foundations of Physiological Psychology*, 7th Edition. Allyn and Bacon. Boston, MA.

LECTURES

Lectures will sometimes cover material that is not contained in the text. In addition, it is not possible to cover all the material contained in the assigned text chapters during lectures. For examination purposes, you are responsible for all material covered in the lectures, as well as that material in the assigned text chapters. You should read each assigned chapter prior to lecture so that you do not fall behind. In the lecture before each examination, I will give you a rough breakdown of the proportion of questions that will be from the text readings and from the lecture material.

GRADING

The examinations will consist of multiple-choice questions. There will be four exams (50 questions each), each accounting for 25% of your total grade. The exams will cover only the material presented during those weeks since the previous exam (i.e., the exam questions are not cumulative). Exam 4 is scheduled during final exams week, but it will only cover material covered since the previous exam. Make-up exams are to be scheduled with the instructor.

Breakdown of grades (percentage weighting of exams) :

Exam 1	25%	50 questions
Exam 2	25%	50 questions
Exam 3	25%	50 questions
Exam 4	25%	50 questions
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TOTAL	100%	200 questions

Consistent with the University's General Marking System, your total percentage will be converted to a letter grade as follows:

90-100%	180 points earned	A
80-89%	160-179 points earned	B
70-79%	140-159 points earned	C
60-69%	120-139 points earned	D
below 60%	below 120 points earned	E

Based on the overall class performance, there may be a curve that lowers the required number of points earned for each letter grade. A curve will be applied in order to insure that at least 10% of students earn an "A" and another 20% of students earn a "B" or higher.

CHEATING

Cheating on an examination will be prosecuted to the full extent of University Rules as outlined at the following site: <http://www.uky.edu/StudentAffairs/Code/index.html>

Schedule for Lecture Topics
REVISED 11/12/07

<u>Date</u>	<u>Topic</u>	<u>Chapters</u>
Aug 22	Introduction to Course	
Aug 24, 27, 29	Structure and Function of Neurons	1, 2
Aug 31	Structure of the Nervous System	3
<u>Sept 3</u>	<u>LABOR DAY</u>	
Sept 5, 7	Structure of the Nervous System (con't)	3
Sept 10, 12, 14	Psychopharmacology	4
Sept 17	EXAM 1	
Sept 19, 21, 24	Vision	6
Sept 26, 28	Audition, and other Senses	7
Oct 1, 3	Sleep and Biological Rhythms	8
Oct 5, 8, 10	Sexual Behavior	9
Oct 12	EXAM 2	
Oct 15, 17	Emotion	10
<u>Oct 19</u>	<u>NO CLASS</u>	
Oct 22, 24, 26	Ingestive Behavior	11
Oct 29, 31 Nov 2	Learning and Memory	12
Nov 5, 7	Communication	13
Nov 9	EXAM 3	
Nov 12	Neurological Disorders	14
Nov 14, 16	Schizophrenia, Depression and Anxiety Disorders	15
<u>Nov 19</u>	<u>NO CLASS</u>	
<u>Nov 21, 23</u>	<u>THANKSGIVING</u>	
Nov 26, 28	Schizophrenia, Depression and Anxiety Disorders (con't)	15
Nov 30, Dec 3, 5, 7	Autism, ADHD, Stress and Drug Abuse	16
Dec 14 (Fri, 8:00 AM)	EXAM 4	