

Course Syllabus Psychology 140: Physiological Psychology Fall 2009

Section: 1723

Room: F508

Time: 9:30 am – 10:45 am

Days: Tuesday, Thursday

Dates: See back page

Text: Biological Psychology 9th edition, James W. Kalat

Instructor: Steve Weinert

Office: F510

Contact: steve.weinert@gcccd.edu or 619-660-4552 **Office Hours:** <http://www.cuyamaca.edu/steve.weinert>

Course Description: 3 hours lecture. Introduction to physiological psychology and to the biology behind behavior.

Course Objectives: Students will be able to describe, explain, predict and learn to control behavior through biological methods. Students will be able to describe function of brain areas and their relation to the behavior of an individual.

Student Learning Outcomes:

At the end of the semester you will be able to...

- a) Describe how the general principles and tools of physiological psychology are applied to behavioral research.
- b) Identify the major anatomical structures of the brain by their function and their relative position.
- c) Break down the function of neurons and glial cells to the molecular level and describe their function.
- d) Classify the actions of neurotransmitters and receptor types and predict their effects on the postsynaptic membrane.
- e) Define proliferation, migration and differentiation during development of the human nervous system their relevance to neural plasticity.
- f) Describe the generation of motor movement from neural input.
- g) Explain and describe the actions of visual perception from the retina to the visual cortex and their response to damage.
- h) Use anatomical structures and transmitter actions to describe different levels of consciousness and attention processes.
- i) Analyze and categorize the function of different hypothalamic nuclei controlling body state regulation.
- j) Discuss the functioning of the limbic system and its role in producing emotional, attack and escape behavior.
- k) Use diagrams to demonstrate the biological basis of learning and memory.
- l) Compare and contrast the function and strengths of the left and right hemispheres in the brain.
- m) Classify different psychological disorders by describing their physiological cause and treatment.

Grading in the course.

All assignments and exams are given a points value. Your grade is based on the total of your accumulated points.

The tests are designed to show that you have a demonstrated mastery of the above course learning outcomes.

An A is 90% of the total possible points (425 total points possible)

A B is 80% of the total possible points

A C is 70% of the possible points

A D in the course is above 60% of the points in the course

Course totals lower than 60% will fail the class.

- All points in the class are weighted equally.
- There are 5 tests, each totaling 25 points per chapter covered.
 1. Each exam will be comprised up to 60 questions answered on a Scantron
 2. Each exam might have an essay about material covered.
- There is a comprehensive final exam, which can be used to replace your lowest exam grade.

Extra Credit

1. I will assign essays to each exam which can be completed for extra credit on that exam.
2. You must complete them before each exam to get credit.

Attendance: For successful completion of the course you must attend class. Attendance and participation in activities are required. I will be passing around an attendance form within the first 5 minutes of class. This may be used for 2% of your grade. If you are going to miss class for some reason make sure you e-mail the instructor. The material in this class can be difficult. It is important for you to ask questions in class to improve your comprehension.

Behavior Guidelines and Conduct:

I like an interactive classroom, and encourage student interaction. Please be respectful to all of the people in the class around you. Everybody has opinions and they define individuals. If an opinion does not agree with your personal belief, through education we can understand each other. *Through conflict there is no resolution, just a victor.* Please put your phone on vibrate, or flash light, so as not to disrupt those around you. Texting while in class is disrupting (mostly to me), if you are doing so I will stop class until you are finished so that you do not miss anything.

Cheating and plagiarism (using as one's own ideas writings, materials, or images of someone else without acknowledgement or permission) can result in any one of a variety of sanctions. Such penalties may range from an adjusted grade on the particular exam, paper, project, or assignment (all of which may lead to a failing grade in the course) to, under certain conditions, suspension or expulsion from a class, program or the college. For further clarification and information on these issues, please consult with your instructor or contact the office of the Associate Dean of Student Affairs.

Students with Special needs: Students with disabilities who may need academic accommodations should notify the instructor immediately (and no later than the second week of class).

Semester Calendar

August 24.....	Regular Day & Evening Classes Begin
August 24-September 4	Program Adjustment
September 4.....	Last Day to Add Semester-Length Classes
September 4	Last Day to Drop Semester-Length Classes without a 'W' appearing on Transcripts
September 4	Last Day to Receive a Refund for Semester-
September 7.....	Holiday (Labor Day)
September 8	Census Day
September 25	Last Day to Apply for P/NP (CR/NC)-
October 16	Last Day to Apply for Fall 2009 Degree/
October 16	End of First 8-Week Session
October 19	Second 8-Week Session Begins
November 12	Last Day to Drop Semester-Length Classes
November 13, 14	Holiday (Veterans' Day Observed)
November 26-28	Thanksgiving Holiday
December 11	End of Second 8-Week Session
December 14, 15, 16, 17, 18, 19 & 21	Final Examinations

Here is a breakdown of the days of the class and the topics that are going to be covered

Day	Class	Chapter	Points
Tuesday, August 25, 2009	Intro to the course	1	
Thursday, August 27, 2009	Neuron	2	
Tuesday, September 01, 2009			
Thursday, September 03, 2009	Synapse	3	
Tuesday, September 08, 2009			
Thursday, September 10, 2009			
Tuesday, September 15, 2009	Test 1	1, 2, 3	50
Thursday, September 17, 2009	Anatomy	4	
Tuesday, September 22, 2009			
Thursday, September 24, 2009	Test 2		25
Tuesday, September 29, 2009	Vision	6	
Thursday, October 01, 2009			
Tuesday, October 06, 2009	Sensation	7	
Thursday, October 08, 2009	Movement	8	
Tuesday, October 13, 2009			
Thursday, October 15, 2009	Test 3	6,7,8	75
Tuesday, October 20, 2009			
Thursday, October 22, 2009	States of Arousal	9	
Tuesday, October 27, 2009			
Thursday, October 29, 2009	Body states	10	
Tuesday, November 03, 2009			
Thursday, November 05, 2009	Sex and Emotions	11 and 12	
Tuesday, November 10, 2009			
Thursday, November 12, 2009	Test 4	9, 10, 11,12	100
Tuesday, November 17, 2009	Learning & Memory	13	
Thursday, November 19, 2009			
Tuesday, November 24, 2009	Lateralization	14	
Thursday, November 26, 2009			
Tuesday, December 01, 2009	Disorders	15	
Thursday, December 03, 2009			
Tuesday, December 08, 2009			
Thursday, December 10, 2009	Test 5	13, 14, 15	75
<i>Tuesday, December 15, 2009</i>	Comp Final	9:30 to 11:30	100