Course Syllabus Psychology 140: Physiological Psychology Fall 2010

Section: 1723
Room: F508
Time: 9:30 am – 10:45 am
Days: Tuesday, Thursday
Dates: See back page
Text: Biological Psychology 10th 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 form 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.
A + and – system will be used for percentages .02 percent above and .02 percent below each grade level.
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 will have short answers to test comprehension.
- There is a comprehensive final exam, which can be used to replace your lowest exam grade.

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).

08/23/10	Regular Day & Evening Classes Begin
August 24 - September 3	Program Adjustment Period
09/03/10	Last Day to Add Semester-Length Classes***
09/03/10	Last Day to Drop Semester-Length Classes Without a "W" Appearing on Transcripts
09/03/10	Last Day to Receive a Refund for Semester-Length Classes***
09/06/10	Labor Day Holiday
09/07/10	Census Day
09/24/10	Last Day to Apply for P/NP (CR/NC) - Semester Length Classes
10/15/10	Last Day to Apply for Fall 2010 Degree/Certificate
10/15/10	End of First 8-Week Session
10/18/10	Second 8-Week Session Begins
11/11/10	Veteran's Day Holiday
11/12/10	Last Day to Drop Semester-Length Classes
November 25 - 27 **	Thanksgiving Holiday Weekend
12/10/10	End Second 8-Week Session for Weekday (M-F) classes
Dec 13, 14, 15, 16, 17, 18, and 20	Final Examination Days

Date	Day	Topic	Chapter
08/24/10	Tuesday	Intro the course	1
08/26/10	Thursday	Neuron	2
08/31/10	Tuesday	Neuron	2
09/02/10	Thursday	Synapse	3
09/07/10	Tuesday	Synapse	3
09/09/10	Thursday	**Test 1**	
09/14/10	Tuesday	Anatomy	4
09/16/10	Thursday	Anatomy	4
09/21/10	Tuesday	Development	5
09/23/10	Thursday	**Brain Test**	
09/28/10	Tuesday	Vision	6
09/30/10	Thursday	Vision	
10/05/10	Tuesday	Sensation	7
10/07/10	Thursday	Movement	8
10/12/10	Tuesday	Movement	8
10/14/10	Thursday	**Exam 3**	
10/19/10	Tuesday	States of Arousal	9
10/21/10	Thursday	States of Arousal	9
10/26/10	Tuesday	Body States	10
10/28/10	Thursday	Body States	10
11/02/10	Tuesday	Sex	11
11/04/10	Thursday	Emotions	12
11/09/10	Tuesday	**Exam 4**	
11/11/10	**Thursday**		
11/16/10	Tuesday	Learning and Memory	13
11/18/10	Thursday	Learning and Memory	13
11/23/10	Tuesday	Cognition	14
11/25/10	**Thursday**		
11/30/10	Tuesday	Cognition	14
12/02/10	Thursday	Disorder	15
12/07/10	Tuesday	Disorder	15
12/09/10	Thursday	**Exam 5**	
12/16/10	**Thursday**	**Comp Final Exam**	