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
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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.

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 while they cover different amounts of material they are all worth 100 points. Each exam will be comprised up to 60 questions.
  Each exam will have short answers or an activity 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 silent mode 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).

Cuyamaca Fall 2011 CALENDAR

August 22	**Regular Day & Evening Classes Begin**
August 22 - September 2	Program Adjustment Period
September 2	Last Day to Add Semester-Length Classes***
September 2	Last Day to Drop Semester-Length Classes Without a "W" Appearing on Transcripts
September 2	Last Day to Receive a Refund for Semester-Length Classes***
September 5	**Labor Day Holiday**
September 6	Census Day
September 23	Last Day to Apply for P/NP - Semester Length Classes
October 14	Last Day to Apply for Fall 2011 Degree/Certificate
October 15	End of First 8-Week Session
October 17	**Second 8-Week Session Begins**
November 10 (Thursday)	Last Day to Drop Semester-Length Classes
November 11 & 12 (Friday & Saturday)	**Veteran's Day Holiday**
**November 24 - 26 ** **	**Thanksgiving Holiday Weekend**
December 10	End Second 8-Week Session for Weekday (M-F) classes
December 12, 13, 14, 15, 16, 17, & 19	**Final Examination Days**
December 19	Close of Fall Semester
December 20	**Instructor Grade Deadline**

Tue Aug 23	Welcome	1
Thu Aug 25	Nerves	2
Tue Aug 30	Nerves	2
Thu Sep 01	Synapse	3
Tue Sep 06	Synapse	3
Thu Sep 08	Exam 1	
Tue Sep 13	Anatomty	4
Thu Sep 15	Anatomty	4
Tue Sep 20	Development	5
Thu Sep 22	Anatomty Game	
Tue Sep 27	Vision	6
Thu Sep 29	Vision	6
Tue Oct 04	Other Sensations	7
Thu Oct 06	Exam 2	
Tue Oct 11	Movement	8
Thu Oct 13	Movement	8
Tue Oct 18	Sleep	9
Thu Oct 20	Sleep	9
Tue Oct 25	States	10
Thu Oct 27	Exam 3	
Tue Nov 01	Sex	11
Thu Nov 03	Sex	11
Tue Nov 08	Emotions	12
Thu Nov 10	Emotions	12
Tue Nov 15	Learning	13
Thu Nov 17	Learning	13
Tue Nov 22	Exam 4	
Thu Nov 24		
Tue Nov 29	Thinking	14
Thu Dec 01	Thinking	14
Tue Dec 06	Disorders	15
Thu Dec 08	Disorders	15
Tue Dec 13	Exam 5	Comp Final