

**COURSE NUMBER** Psychology 333/313

**COURSE TITLE** Physiological Psychology and Laboratory

**CREDIT HOURS** 3 (lecture) + 1 (laboratory)

**SEMESTER/YEAR** Fall 2007

**Location of Class Meeting** LDB 216

**Class Meeting Times** MWF 2-2:50

**Instructor** Christopher Wilson, Ph.D.

**Office Location** AB4, Room 319

**Instructor Contact Information** 936-294-3052; [Wilson@shsu.edu](mailto:Wilson@shsu.edu)

**Office Hours** MWF 3-4 pm; TTH 2-3 pm

**Course Description** This course is designed to acquaint the student with the biological substrates of behavior. A study is made of the genetic, neuroanatomical, neurochemical, and neurophysiological mechanisms of such psychological processes as sensation, movement, learning, memory, motivation, and emotion. This course is offered primarily for psychology majors and minors but may serve as an elective for majors in biology, chemistry, and public health. Laboratory period required.

### **Course Objectives**

1. To gain an understanding of nervous system structure and function.
2. To gain an understanding of how the peripheral nervous system interacts with the central nervous system.
3. To gain an understanding of neurochemical systems within the nervous systems.
4. To gain an understanding how sensory information gets from the environment into the brain, how that information is coded and decoded, and how that information can be used to direct behavior.
5. To gain an appreciation for the complexity of systems involved in initiating behavioral processes.
6. To gain a general understanding of neurologic dysfunctions and behavioral/psychological dysfunctions.

**Required Textbook** Pinel, J. P. J. Biopsychology, 6<sup>th</sup> edition. Allyn & Bacon 2006.

**Syllabus**

August 20	Philosophical Background	Chapter 1
Aug 22-27	Research Methods	Chapter 5
Aug 29-31	Microneuroanatomy	
Sept 3	Labor Day Break	
Sep 5-7	Microneuroanatomy	Chapter 3
Sept 10-19	Macroneuroanatomy	Chapter 3
Sept 21-26	Psychopharmacology	Chapter 4
<b>Sept 28</b>	<b>Exam 1</b>	
Oct 1-5	Cell Communication	Chapter 4
Oct 8-15	Sensation-Vision	Chapters 6, 7
<b>Oct 17</b>	<b>Quiz 2</b>	
Oct 19-26	Motor Systems	Chapter 8
Oct 29- Nov 2	Sleep/Arousal	Chapter 14
<b>Nov 5</b>	<b>Quiz 3</b>	
Nov 7-14	Learning	Chapter 11, 15
Nov 16-21	Human Communication	Chapters 16
Nov 22-23	Thanksgiving Break	
Nov 26-30	Human Communication	Chapter 16
Dec 3-5	Affective Disorders	Chapter 18
<b>Exam 4</b>		

**Grade Policy**

*There will be four exams in this course and your grade will be determined by the total number of points accumulated on four classroom exams and a laboratory exam. If you miss an examination, you may take a make-up of that examination, but beware, you may take only one make-up exam during the semester.*

*In the lecture section of this course, if you miss six classes, your final grade will drop by one letter grade. If you miss ten classes, your grade will drop by two letter grades. If you miss twelve classes, you will receive an F for the semester.*

*Your grade will be based upon the following schema:*

*A = 450-500*

*B = 400-449*

*C = 350-399*

*D = 300-349*

**Visitors in the Classroom**

*Unannounced visitors to class must present a current, official SHSU identification card to be permitted into the classroom. They must not present a disruption to the class by their attendance. If the visitor is not a registered student, it is at the instructor's discretion whether or not the visitor will be allowed to remain in the classroom.*

**Religious Holidays**

*Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.*

*"Religious holy day" means a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20, Tax Code.*

**Americans with Disabilities Act**

*It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance are expected to visit with the Office of Services for Students with Disabilities located in the Counseling Center. They should then make arrangements with their individual instructors so that appropriate strategies can be*

*considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired.*

*SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If a student has a disability that may affect adversely his/her work in this class, then the student is encouraged to register with the SHSU Counseling Center and to talk with the instructor about how best to deal with the situation. All disclosures of disabilities will be kept strictly confidential. NOTE: no accommodation can be made until the student registers with the Counseling Center.*

### **Academic Dishonesty**

*All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.*

### **Attendance Policy:**

*You are expected to attend every class. If you miss six classes, your final grade will drop by one letter grade. If you miss ten classes, your grade will drop by two letter grades. If you miss twelve classes, you will receive an F for this course.*