

COURSE NUMBER Psychology 5360

COURSE TITLE Advanced Physiological Psychology

CREDIT HOURS 3 (lecture)

SEMESTER/YEAR Fall 2017

Location of Class Meeting CHSS 223

Class Meeting Times Tuesdays 5-7:750

Instructor Christopher Wilson, Ph.D.

Office Location CHSS, Room 390

Instructor Contact Information 936-294-3052; Wilson@shsu.edu

Office Hours M 3-4; TTH 2-3 pm or by appointment

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 Carlson, Physiology of Behavior. Allyn/Bacon.

Syllabus

Date	Lecture Topic/Description	Text Material
August 29	Philosophical Background	Chapter 1
Aug 29-	Research Methods	Chapter 5
Sept 5	Research Methods	
Sept 12	Microneuroanatomy	Chapter 2
Sept 19	Macroneuroanatomy	Chapter 3
Sept 26	Psychopharmacology	Chapter 4
October 3	Exam 1	
Oct 10	Cell Communication	Chapter 2
Oct 17	Sensation-Vision	Chapters 6
Oct 24	Quiz 2	
Oct 31	Motor Systems	Chapter 8
Nov 7	Sleep/Arousal	Chapter 9
Nov 14	Quiz 3	
Nov 21	Learning	Chapter 13
Nov 28	Human Communication	Chapters 14
Exam 4		

Grade Policy

There will be four exams in this course and your grade will be determined by the total number of points accumulated on the four classroom exams. 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.

Extra Credit: You may earn up to 10 extra-credit points by reading fictional works, i.e., novels. Each novel that you read will count for 5 points toward your final grade. Dates for submission of novels are October 4 for book 1 and December 1 for book 2. No other extra credit will be accepted.

Please note that grades are based upon total number of points and not percentages.

Your grade will be based upon the following schema:

A = 360-400 B = 320-359 C = 280-319

Attendance

Attendance is required.

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.

For more information, please visit: <http://www.shsu.edu/syllabus/>