

Psychology 561--Neuropsychopharmacology
Professor Wilson—Summer 2008
Monday-Friday 10:00-11:50

Objectives

1. This course is designed to give the student a basic background in factors that determine drug action and effectiveness. Students will learn about the following phenomena:
 - a. modes of administration;
 - b. distribution factors;
 - c. metabolism and elimination;
 - d. tolerance and dependence;
 - e. dose response curves.

2. The course is designed to give the student a basic understanding of neurochemical systems. Included under this objective are the following concepts:
 - a. basic structural aspects of neurons;
 - b. drug terminating mechanisms;
 - c. specific neurotransmitter systems.

3. The course will give the student an understanding of specific drug classes (i.e., sedative hypnotics, stimulants, opiates, psychedelics, and antipsychotics) and will investigate the behavioral effects of the use and abuse of those drug classes.

Grade and Attendance Policies

Grade Policy

There will be four exams in this course and your grade will be determined by the total number of points accumulated on those 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. In addition, you may drop one exam grade for the computation of your final grade.

Your grade will be based upon the following schema:

A = 360-400; B = 320-359; C = 280-319; D = 240-279; F = 000-239

ACADEMIC DISHONESTY:

All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain 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 a complete listing of the university policy, see:

<http://www.shsu.edu/administrative/faculty/sectionb.html#dishonesty>

STUDENT ABSENCES ON RELIGIOUS HOLY DAYS POLICY:

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. Section 51.911 (a) (2) defines a religious holy day as: “a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20....” 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.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed. For a complete listing of the university policy, see: http://www.shsu.edu/~vaf_www/aps/documents/861001.pdf

NOTICE TO STUDENTS WITH DISABILITIES:

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 you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Counseling Center and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until you register with the Counseling Center. No retroactive accommodation. Thank you.

For a complete listing of the university policy, see: http://www.shsu.edu/~vaf_www/aps/811006.html

VISITORS IN THE CLASSROOM:

Only registered students may attend class. Exceptions can be made on a case-by-case basis by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrar's Office.

Syllabus

Text: Ksir, Hart, & Ray, Drugs Society, and Human Behavior, 12th ed., 2008: McGraw-Hill.

<u>Date</u>	<u>Topic</u>	<u>Reading</u>
July 8	Introduction to drug use	Chapter 1
July 9- July 10	Determinants of Drug Action	Chapters 2, 5
July 11- July 14	Neurochemical Systems	Chapter 4
July 15	Test 1	
July 16	Sedative Hypnotics/Barbiturates	Chapter 7
July 17	Sedative Hypnotics/Anxiolytics	Chapter 7
July 18	Sedative Hypnotics/Ethanol	Chapter 9
July 21	Test 2	
July 22- July 23	Stimulants/Sympathomimetics	Chapter 6
July 24	Stimulants/Antidepressants	Chapter 8
July 25	Stimulants/Tobacco and caffeine	Chapters 10, 11
July 28	Quiz 3	
July 29	Opiates/Marijuana	Chapters 13, 15
July 30- July 31	Psychedelics	Chapter 14
August 4 August 5	Antipsychotics	Chapter 8
August 6	Anabolic/Androgenic Steroids	Chapter 16
August 7	Final Exam	