

Problems in Psychology (PSY 780-001)  
Directed Readings in BNP- Fall 2015  
Wednesday 11:00 – 1:00  
Kastle Hall, Room 216

**Instructors:**

**Dr. Susan Barron**

Office: 208 Kastle Hall  
Office Hours: By appointment  
Telephone: 7-5401  
Email: [sbarron@uky.edu](mailto:sbarron@uky.edu)

**Dr. Michael Bardo**

Office: B447 BBSRB  
Office Hours: By appointment  
Telephone: 7-6456  
Email: [mbardo@uky.edu](mailto:mbardo@uky.edu)

**Dr. Mark Prendergast**

Office: B449 BBSRB  
Office hours: By appointment  
Telephone: 7-6120  
Email: [prender@uky.edu](mailto:prender@uky.edu)

**Learning Objectives:** This is a team-taught course that uses an English “tutorial” style approach to give all entry students in the BNP area a solid background in the areas of neuropharmacology, neuroanatomy and neurophysiology. Your reading assignments are outlined on this syllabus and you should come to class prepared to answer questions related to the readings. You can also use class time to clear up confusion regarding information in the readings. The first 1/3 of the course will be taught by Dr. Mark Prendergast, 1/3 by Dr. Michael Bardo and 1/3 by Dr. Susan Barron. You will arrange the course time with each instructor during their section of the course.

Students who complete this course will learn the following:

1. Understand the basic principles of neuroanatomy, neurophysiology and neuropharmacology that apply to brain function.
2. Understand the relation between these basic brain mechanisms in the control of laboratory animal and human behavior.
3. Develop an understanding about how drug effects on the brain are manifest in human behavior.
4. Develop knowledge about how basic research in laboratory animals is translated into useful information for advancing our understanding of human behavior.

5. Use knowledge from this course in preparation for other courses in the medical center.

**Course Grading:** Your grade will be dependent on your performance on 3 written exams (at the end of each of the sections) and by an oral exam covering only material presented in the textbook at the conclusion of the course. The oral will be scheduled individually for each of you and will last approximately 30 minutes. Bardo, Barron and Prendergast will all be present for the oral examination.

**Excused Absences:** Students need to notify the instructor of absences prior to an exam when possible. S.R. 5.2.4.2 defines the following as acceptable reasons for excused absences: (a) serious illness, (b) illness or death of family member, (c) University-related trips, (d) major religious holidays, and (e) other circumstances found to fit “reasonable cause for nonattendance” by the instructor. Senate Rule 5.2.4.2 states that faculty have the right to request “appropriate verification” when students claim an excused absence because of illness or death in the family. Notification of absences due to university-related trips is required prior to the absence.

Students anticipating an absence for a major religious holiday are responsible for notifying the instructor in writing of anticipated absences due to their observance of such holidays no later than the last day in the semester to add a class. Information regarding dates of major religious holidays may be obtained through the religious liaison, Mr. Jake Karnes (859-257-2754).

**Accommodation Due to Disability:** If you have a documented disability that requires academic accommodations, please see me as soon as possible. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, email address: jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.

**Inclement weather:** If the class period of a scheduled exam is cancelled due to inclement weather, the exam will be rescheduled for the next class meeting

**Academic Integrity:** Per university policy, students shall not plagiarize, cheat, or falsify or misuse academic records. Students are expected to adhere to University policy on cheating and plagiarism in all courses. The minimum penalty for a first offense is a zero on the assignment on which the offense occurred. If the offense is considered severe or the student has other academic offenses on their record, more serious penalties, up to suspension from the university may be imposed.

Plagiarism and cheating are serious breaches of academic conduct. Each student is advised to become familiar with the various forms of academic dishonesty as explained in the Code of Student Rights and Responsibilities. Complete information can be found at the following website: <http://www.uky.edu/Ombud>. A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty.

It is important that you review this information as all ideas borrowed from others need to be properly credited.

Part II of *Student Rights and Responsibilities* (available online <http://www.uky.edu/StudentAffairs/Code/part2.html>) states that all academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where students feel unsure about the question of plagiarism involving their own work, they are obliged to consult their instructors on the matter before submission.

When students submit work purporting to be their own, but which in any way borrows ideas, organization, wording or anything else from another source without appropriate acknowledgement of the fact, the students are guilty of plagiarism. Plagiarism includes reproducing someone else's work, whether it be a published article, chapter of a book, a paper.

from a friend or some file, or something similar to this. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work which a student submits as his/her own, whoever that other person may be.

Students may discuss assignments among themselves or with an instructor or tutor, but when the actual work is done, it must be done by the student, and the student alone. When a student's assignment involves research in outside sources of information, the student must carefully acknowledge exactly what, where and how he/she employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes, while leaving the organization, content and phraseology intact, is plagiarism. However, nothing in these Rules shall apply to those ideas which are so generally and freely circulated as to be a part of the public domain (Section 6.3.1).

**Textbook:** *Introduction to Neuropsychopharmacology*. Iversen, Iversen, Bloom and Roth. Oxford, 2009.

<u>Date</u>	<u>Topic</u>	<u>Readings</u>
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**PRENDERGAST SECTION**

Aug 26	Cellular Foundations of Neuropsychopharmacology	Ch 2
Sept 2	Receptor Theory	Ch 4
Sept 9	Amino Acids	Ch 5
Sept 16	<b>EXAM 1</b>	

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**BARDO SECTION**

Sept 23	Acetylcholine	Ch 6
Sept 30	Catecholamines	Ch 7
Oct 7	Serotonin	Ch 8
Oct 14	Neuropeptides and others	Ch10,12
Oct 21	<b>EXAM 2</b>	

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**BARRON SECTION**

Oct 28	Psychotherapeutics	Ch 14, 15
Nov 4	Addiction and Stimulants	Ch 20, 21
Nov 11	Opiates and Cannabis	Ch 22, 24 (added readings)
Nov 18	Alcohol and Nicotine	Ch 25, 26
Nov 25	<b>Thanksgiving</b>	
Dec 4	<b>EXAM 3</b>	

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Dec 14-18 FINAL ORAL EXAMINATION (Arranged)