

# Course Title: **Introduction To Behavioral Neuroscience**

**Course Number: Psyc /Biol 3322 -001**

**Course Location and Time: Tue Thur 9:30-10:50am at Room 118/Life Science Building**

**Instructor:** Dr. Yuan Bo Peng

**Office:** LS 503

**Office Hours:** T 11:00 - 12:00, or by appointment

**Phone:** 817/272-5222

**Mailbox:** 19528

**Email:** [ypeng@uta.edu](mailto:ypeng@uta.edu)

**Instructor web site:** <http://www.uta.edu/psychology/faculty/peng/peng.htm>

**Course web site:** For lecture notes and announcement, please go to WebCT at <http://www.uta.edu/webct>

**Course Prerequisites:** None

**Required Textbook(s) and Materials:** Biological Psychology, 9th edition by James W. Kalat.

**Course Description:** This course will provide a comprehensive review of physiological processes that underlie animal and human behavior.

**Course Learning Goals/Objectives:** Students are expected to learn how nervous system works and what the underlying neural mechanisms that control our behavior are. Topics will include: anatomical structure, molecular basis, sensory and motor systems, neurotransmitters, control of hunger, thirst, temperature, emotional disorders and schizophrenia, etc.

**Attendance and Drop Policy:** No mandatory attendance. If you are dropped from this class for non-payment of tuition, you may secure an Enrollment Loan through the Bursar's Office. You may not continue to attend class until your Enrollment Loan has been applied to outstanding tuition fees.

**Date to remember:** Census day. The last day to drop this course with an automatic "W". After that, you will receive a "W" only if passing, otherwise a grade of "F" will be assigned.

## **Tentative Lecture/Topic Schedule:**

Chapter 1 The major issues

Chapter 2 Nerve cells and nerve impulses

Chapter 3 Synapses

Chapter 4 Anatomy of the nervous system

### **Exam 1 (9:30 - 10:50) Tuesday, 09/23/2008**

Chapter 5 Development and plasticity of the brain

Chapter 6 Vision

Chapter 7 The other sensory systems

Chapter 8 Movement

Chapter 9 Wakefulness and sleep

### **Exam 2 (9:30 - 10:50) Thursday, 10/30/2008**

Chapter 10 Internal body states

Chapter 12 Emotional behaviors

Chapter 13 The biology of learning and memory

Chapter 14 Cognitive Functions

Chapter 15 Psychological disorders

### **Final Exam (8:00 - 10:30) Thursday, 12/11/2008**

**Specific Course Requirements:** This is an intensive course. Students are expected to know a lot of detailed information. Be sure to read textbook before attending lectures.

**Examinations:** There will be three exams. The final exam will **NOT** be comprehensive. The format for exams will be multiple choice questions. You are required to take all three exams. If you miss an exam, a grade of zero will be given. There is no provision for taking a make-up exam in this course unless documentation for a University-approved excuse (see Catalog <http://www.uta.edu/catalog/general/academicreg>) is received within one week of the exam date.

**Grade Calculation:** Note: UTA policy will not allow distribution of grade over the phone call or email. The three exams will contribute equally to the calculation of the final grade. The scores from each exam will be averaged and a letter grade will be assigned where A > 85%, B > 75%, C > 65%, D > 55%, F < 55%. NOTE: There will be no extra credit work to make up the grade.

**Americans With Disabilities Act (ADA):** The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference to Public Law 93112 – The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act – (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

If you are a student who requires accommodations in compliance with the ADA, please consult with me at the beginning of the semester. As a faculty member, I am required by law to provide “reasonable accommodation” to students with disabilities, so as not to discriminate on the basis of that disability. Your responsibility is to inform me of the disability at the beginning of the semester and provide me with documentation authorizing the specific accommodation. Student services at UTA include the Office for Students with Disabilities (located in the lower level of the University Center) which is responsible for verifying and implementing accommodations to ensure equal opportunity in all programs and activities.

**Student Support Services:** The University supports a variety of student success programs to help you connect with the University and achieve academic success. They include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.

**Academic Honesty:** Academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form at The University of Texas at Arlington. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University. See procedures at <http://www.uta.edu/studentaffairs/judicialaffairs/>

“Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.” (Regents’ Rules and Regulations, Part One, Chapter VI, Section 3, Subsection 3.2., Subdivision 3.22).

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**Final Review Week:** A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabi. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. Classes are held as scheduled during this week and lectures and presentations may be given.

**E-Culture Policy:** The University of Texas at Arlington has adopted the University email address as an official means of communication with students. Through the use of email, UT-Arlington is able to provide students with relevant and timely information, designed to facilitate student success. In particular, important information concerning registration, financial aid, payment of bills, and graduation may be sent to students through email.

All students are assigned an email account and information about activating and using it is available at [www.uta.edu/email](http://www.uta.edu/email). New students (first semester at UTA) are able to activate their email account 24 hours after registering for courses. There is no additional charge to students for using this account, and it remains active as long as a student is enrolled at UT-Arlington. Students are responsible for checking their email regularly.

**Make-up Exam Policy:** There is no provision for taking a make-up exam in this course unless documentation for a University-approved excuse (see Catalog) is received within one week of the exam date.

**Bomb Threats:** If anyone is tempted to call in a bomb threat, be aware that UTA will attempt to trace the phone call and prosecute all responsible parties. Every effort will be made to avoid cancellation of presentations/tests caused by bomb threats. Unannounced alternate sites will be available for these classes. Your instructor will make you aware of alternate class sites in the event that your classroom is not available.

**\*Library Information:** Helen Hough is the Psychology Librarian. She can be reached at (817) 272-7429, and by email at [hough@uta.edu](mailto:hough@uta.edu). You will find useful research information for psychology at <http://www.uta.edu/library/research/rt-psyc.html>.