

Course Number, Section Number, and Course Title:
PSYCH /BIOL 3322-002 Introduction to Behavioral Neuroscience

Instructor Name: Linda I. Perrotti, Ph.D.

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Office Hours: Monday 10:00-11:00AM or by appointment

Time and Place of Class Meetings: MoWe 2:30PM - 3:50PM LS 124

Course Description: Behavioural neuroscience is the study of the relationship between animal and human behavior, and the nervous system. This area of expertise cuts across many disciplines and incorporates such fields as anatomy, neurobiology, neuropsychology, pharmacology, physiology, psychiatry and psychology. 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 are the underlying neural mechanisms that control our behavior. Topics will include: anatomical structure, molecular basis, sensory and motor systems, neurotransmitters, control of hunger, thirst, temperature, emotional disorders and schizophrenia, etc.

Required Textbook: Biological Psychology, 9th edition by James W. Kalat.

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

Examinations: There will be four exams. The exams will cover lectures, videos and assigned textbook readings. 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 three (3) days of the exam date. A student arriving late after the scheduled class start time, on an exam date, will not be allowed to take the exam after the first completed exam is turned in.

Course Evaluation & Final Grade: The course grade will be based on the **mean of the three highest exam grades**. *If you miss an exam and do not have an University approved excuse for doing so this will be the grade that is dropped from the final average.*

Grade Calculation: Note: UTA policy will not allow distribution of grade over the phone call or email. The three highest exam grades 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 100-90%, B 89-80%, C 79-70%, D 69-60%, F <59%.

NOTE: There will be no extra credit work to make up the grade.

Attendance Policy: No mandatory attendance, but it is *highly* recommended. 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.

Drop Policy: Please refer to university drop policy. Please also refer to the academic calendar (<http://www.uta.edu/uta/acadcal/>).

Americans with Disabilities Act: The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112 - The Rehabilitation Act of 1973 as amended. With the passage of 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.

As a faculty member, I am required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty of their need for accommodation and in providing authorized documentation through designated administrative channels. Information regarding specific diagnostic criteria and policies for obtaining academic accommodations can be found at www.uta.edu/disability. Also, you may visit the Office for Students with Disabilities in room 102 of University Hall or call them at (817) 272-3364.

Academic Integrity: It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. 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.

"Scholastic 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, Series 50101, Section 2.2)

Student Support Services Available: The University of Texas at Arlington supports a variety of student success programs to help you connect with the University and achieve academic success. These programs 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.

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. 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.

Grade Grievance Policy: The University Grade Grievance Policy will be followed. (See Grade Grievance Policy in the Undergraduate Catalog.)

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 Monday September 22nd

- Chapter 5 Development and plasticity of the brain
- Chapter 6 Vision
- Chapter 7 The other sensory systems
- Chapter 8 Movement
- Chapter 10 Internal Regulation

EXAM 2 Monday October 20th

- Chapter 11 Reproductive Behaviors
- Chapter 12 Emotional Behaviors
- Chapter 13 The Biology of Learning and Memory
- Chapter 15 Psychological disorders

EXAM 3 Monday December 1st

Cumulative Final Exam: Monday December 8th 2-4:30pm

