

PSYC/BIOL 3322 - 001

Brain and Behavior

Summer 2nd Five Week Session 2013: M-R 1:00-3:00 PM, LS 122

Instructor information:

Instructor:	Michael C. Natishyn	Ailing Li	Christopher T. McNabb
Office:	LS 536	LS 505	LS 507
Email:	use blackboard	ailing.li@mavs.uta.edu	christopher.mcnabb@mavs.uta.edu

Office Hours:	W 3 PM – 4 PM	T 3 PM – 4 PM	R 3 PM – 4 PM or by appt
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Required Textbook:

Kalat, J. W. (2013). *Biological Psychology* (11th Ed.). Belmont, CA: Wadsworth, Cengage Learning. ISBN-13: 9781111831004.

Important Dates:

July 9	First day of class
July 15	Census date
July 30	Last day to drop class
August 8	Last day of class
August 12	Final exam

Course Description: An introduction to the anatomical structures and physiological processes that determine behavior. Topics include the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors (such as learning, memory, sex, language, and addiction), as well as the basic functioning of the nervous system. Offered as BIOL 3322 and PSYC 3322. Credit will be granted only once. BIOL 3322 prerequisite: BIOL 1441, 1442. PSYC 3322 prerequisite: BIOL 1441 or PSYC 1315.

Attendance Policy: While attendance will not be mandatory, previous students of this course have not done well when they were not regularly present in class. Students who miss a class or portions thereof will still be held accountable for the material covered during lecture times.

Course Communication: Primary communication will be through university email accounts and Blackboard, which will be the formal channels of communication for the purpose of this course. You are expected to communicate with instructors using professional diction, syntax, and formatting; this includes properly identifying yourself, appropriate capitalization, spelling, and punctuation. Do not use so-called *texting language* (SMS language) or associated abbreviations.

Examination Policy: There will be a total of five exams including the comprehensive final exam. Each exam will consist of multiple choice questions based upon the course material covered in class and the assigned readings (see **Course Schedule**). No hats, notes, books, digital communication devices, or any other informational resources are to be used in conjunction with an examination, unless otherwise explicitly specified. Additionally, no exam will be given to a student who arrives late if any other student in the class has already completed the exam.

Make-up Examination Policy: Make-up examinations will only be granted in the event of a University excused absence, such as funeral attendance, religious holidays, and serious illness. Refer to http://web.uta.edu/catalog/content/general/academic_regulations.aspx#9 for further information. Requests for make-up examinations must be made in writing within one week of the missed examination. The make-up examination will be scheduled, and if it is missed, then no further make-up will occur for that specific examination.

Grading Policy: The final course grade will be the mean of the four highest exam grades which will be equally weighted. The lowest of the five exam grades will be dropped and will not be factored into the final course grade. A letter grade will be assigned from the final course grade, where: $A \geq 90\%$, $B \geq 80\%$, $C \geq 70\%$, $D \geq 60\%$, and $F < 60\%$. In accordance with FERPA and university policy, no grades will be sent through email, but they will be posted on Blackboard (<https://elearn.uta.edu>). Finally, as these grades are determined from multiple choice examinations (objective assessment), then grades assigned for this course are non-negotiable.

Drop policy: It is the student's responsibility to drop from the course. No grade is given if a student drops a course before 5:00 PM CDT on the **Census date** of July 15, 2013. A student may drop a course with a grade of W until the two-thirds point of the semester, which ends on July 30, 2013. A student may drop a course after this point only upon approval of the appropriate official. A course drop grade will be assigned in accordance with the UT-Arlington policy (refer to http://web.uta.edu/catalog/content/general/academic_regulations.aspx#8).

Grade Replacement Option: Students re-enrolling in this course with the intent of grade replacement must declare their intention through the Registrars' Office before the census date.

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 93112 -- The Rehabilitation Act of 1973 as amended. As instructors, we are to provide reasonable accommodation to students with disabilities, so as not to discriminate on the basis of that disability. Students should inform us at the beginning of the semester and provide authorized documentation through the designated administrative channels.

Academic Dishonesty: 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, Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22)

Closing Points: Please try to be courteous to your fellow students, so be mindful of any distraction you may pose to them (talking, use of cell phone/laptop, etc.). From experience as a student, the best way to succeed in a course is to: (a) read and/or outline before the lecture, (b) take written notes during the lecture, and (c) compile your notes and read again. Study well in advance with respect to the type of exam questions that you will encounter and utilize blocks of time for studying. Finally, be sure to make effective use of instructor office hours.

Course Schedule

Date	Topic(s)	Chapter(s)
7/9/2013	The Major Issues	1
	Anatomy of the Nervous System	4
7/10/2013	Nerve Cells and Nerve Impulses	2
7/11/2013	Synapses	3
	Review for Exam I	1 – 4
7/15/2013	Exam I	1 – 4
	Development and Plasticity of the Brain	5
7/16/2013	Development and Plasticity of the Brain	5
	Vision	6
7/17/2013	Vision	6
	Other Sensory Systems	7
7/18/2013	Other Sensory Systems	7
	Discuss Exam I	1 – 4
	Review for Exam II	5 – 7
7/22/2013	Exam II	5 – 7
	Movement	8
7/23/2013	Movement	8
	Wakefulness and Sleep	9
7/24/2013	Wakefulness and Sleep	9
	Internal Regulation	10
7/25/2013	Internal Regulation	10
	Discuss Exam II	5 – 7
	Review for Exam III	8 – 10
7/29/2013	Exam III	8 – 10
	Reproductive Behaviors	11
7/30/2013	Reproductive Behaviors	11
	Emotional Behaviors	12
7/31/2013	Emotional Behaviors	12
	The Biology of Learning and Memory	13
8/1/2013	The Biology of Learning and Memory	13
	Discuss Exam III	8 – 10
	Review for Exam IV	11 – 13
8/5/2013	Exam IV	11 – 13
	Cognitive Functions	14
8/6/2013	Cognitive Functions	14
	Mood Disorders and Schizophrenia	15
8/7/2013	Mood Disorders and Schizophrenia	15
	Discuss Exam IV	11 – 13
	Final Exam Review	1 – 15
8/8/2013	Final Exam Review	1 – 15
8/12/2013	Comprehensive Final Exam	1 – 15