

Syllabus

Instructor: Chris Hagains

Office Number: LS Room 540

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Office Hours: R 10-11am

Course Number, Section Number, and Course Title: PSYC / BIOL 3142.001
Laboratory in Behavioral Neuroscience

Time and Place of Class Meetings: Thursday 12:30-3:20 pm; LS 428

Student Learning Outcomes: Upon completion of this course, the student will be able to discuss the ethical issues involved in considering animal research, demonstrate knowledge of various functional brain anatomies, explain synaptic and electrical transmission of the nervous system, independently design an experiment involving the methodology taught in class, and present this experiment to peers and faculty.

Requirements: Must have completed or be concurrently enrolled in PSYC 3322 or BIOL 3322. Offered as BIOL 3142 and PSYC 3142; credit will be granted only once. PSYC 3142 prerequisite: PSYC 2442 or PSYC 3444. (Source: Undergraduate online catalog; website: <http://www.uta.edu/catalog/courses/course-catalog.php?subject=PSYC>)

Required Textbooks and Other Course Materials: None required. All needed materials will be discussed in class.

Descriptions of major assignments and examinations with due dates: ***Attached are tentative topics and assignments for the class days this semester. Please note that I retain the right to change any and/or all topics, assignments, and dates listed herein.***

Grading Policy: Your overall grade will be on a 400 point scale. Below is the breakdown for each assignment.

I reserve the right to redistribute point assignment, including the deletion or combination of some assignments and the addition of bonus points, as needed.

Article critique:	50 points (11% of final grade)
Animal use:	50 (11%)
Quiz 1:	25 (5.5% each)
Quiz 2:	25
Quiz 3:	25
Quiz 4:	25

(There will be 5 total quizzes, and I will take the best 4 out of those 5)

Brain Paper:	150	(33%)
Presentation:	100	(22%)
Total:	450	100%

Therefore, an A is 405-450 points
B is 360-404
C is 315-359
D is 270-314
F is below 270

Attendance Policy: I will not deduct points if you choose to not attend lab; however, the very nature of a lab requires your attendance. If you do not attend, your grade will most likely suffer. Also, I may choose to take attendance and offer bonus points to those who miss 2 or fewer classes. Finally, please understand that I can not re-teach a lab to those who miss.

Make-up Exam Policy: You are being given ample opportunity to display learned information in the 5 quizzes and using only the 4 best grades to calculate your grade. As a result, make up quizzes will not be offered.

Late papers/assignments: For every day that an assignment is late, 10% of the maximum possible score for that assignment will be deducted. Any assignment that is more than 1 week past the original due date will not be accepted. If you have a university approved absence, the point deduction for an appropriate amount of time will be waived. The presentation of your proposal will occur in a group format and cannot be made up.

Drop Policy: Please refer to the university's drop policy for deadlines and guidelines.

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.

Grievance Policy: You have certain rights as a student that you should be aware of. Please see the online catalog regarding your rights if you feel you have been treated unfairly.

Date:	Topic:	Assignment due:
August 27	Syllabus/Ethics	-----
September 3	Controls/Confounds/Design	Animal use paper and plagiarism quiz
September 10	Methods/Paper expectations	Quiz 1 (Ethics/Controls)
September 17	Animal models	Article critique
September 24	Sheep anatomy	Quiz 2 (Methods/Models)
October 1	Electrophysiology/Paper idea meetings	Paper idea
October 8	Stereotaxic procedures Histology/self stimulation	Quiz 3 (Anatomy/electrophy)
October 15	Synaptic transmission	Rough draft (optional, but encouraged)/ Quiz 4 (Histology and stereotaxic)
October 22	Pharmacology	-----
October 29	In-class experiment	Final draft of paper
November 5	Discuss presentation expectations	Quiz 5 (Synaptic transmission/ Pharmacology)
November 12	Neuroscience application	-----
November 19	TBA	-----
November 26	THANKSGIVING	-----
December 3	In-class presentations	-----