

# PSYC/BIOL 3322-001: Brain and Behavior

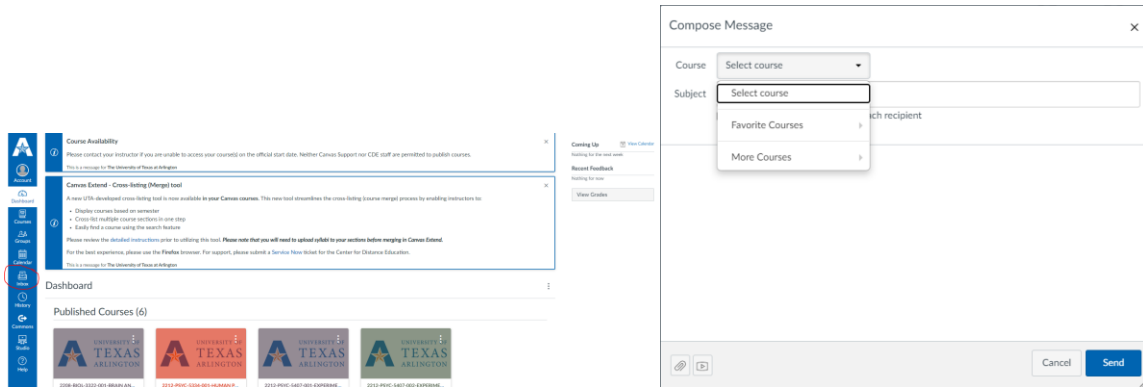
Spring 2024

**Instructor:** Julieta Trejo

**Office:** Life Science Building, Room 513

**Email Address:** This is my preferred method of communication. In an effort to ensure a more direct, effective, and efficient method of communication between the large number of students enrolled in this course and myself, I have the following email policy:

- **Only email me via the course on the Canvas site.**



- Student emails containing questions that can be answered by reading this thoughtfully prepared syllabus will NOT receive a response.
- Students will communicate in a professional, courteous, and formal manner.

**Faculty Profile:** <https://www.uta.edu/academics/faculty>

**Office Hours:** Th 12:30 – 1:30 PM (or by appointment, if necessary). [What are office hours?](#)

**Time and Place of Class Meetings:** T/Th 11:00 – 12:20 PM, room # TBA

**Teaching Assistant:** Diana Ibarra

**Email:** [dai6357@mavs.uta.edu](mailto:dai6357@mavs.uta.edu)

**Office Hours:** TBA

**Description of Course Content:** An introduction to the anatomical structures and physiological processes that determine behavior. Topics include evolution, genetics, research methods in behavioral neuroscience, motivation and emotion, sensation and perception, learning and memory, lifespan development, cognition, psychological disorders, and other complex behaviors.

## **Student Learning Outcomes:**

- Define and explain the biological foundations of behavior, including theories, history, and research methods.
- Describe the evolution and development of the nervous system – neuroanatomy, neurophysiology, neurotransmission, and neuroendocrinology.
- Identify the structures and function that underlie sensation, perception, and motor control.
- Identify and discuss the regulation of behavior, including motivation and emotion, and biological rhythms.
- Articulate the biological components of learning, memory, and language.
- Describe the biological underpinnings of age-related changes in cognition and socioemotional functioning over the lifespan.
- Examine how biological processes impact health and well-being.

**Course website:** For lecture notes and announcements, please go to Canvas at <https://oit.uta.edu/canvas/>

**Course Prerequisites:** BIOL 3322 prerequisite: BIOL 1441, 1442. PSYC 3322 Prerequisites: BIOL 1441 or PSYC 1315.

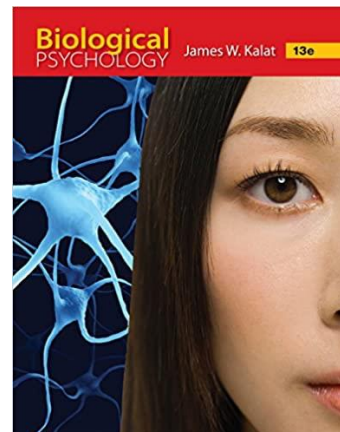
**Required Textbook(s) and Other Course Materials:**

Kalat, J.W. (2018). *Biological Psychology* (13<sup>th</sup> ed.). Cengage Learning.  
ISBN-10: 1337408204, ISBN-13: 9781337408202

This **textbook is REQUIRED** meaning that you will **need to read and study from it in order to pass this course**. While I understand that purchasing an earlier version of the text can be less expensive, I will be teaching out of the 13<sup>th</sup> edition because the information contained within is the most current and accurate. Therefore, course content and exam questions are based on the information contained in the 13<sup>th</sup> edition. If you decide to purchase an earlier edition of the text, you do so at your own risk. Approximate cost estimate for course materials: \$50.00 - \$136.00. *MindTap is highly recommended as a study tool for this course.*

You can use the following information to decide your **purchase options** for new books:

- The textbook and online material for PSYC/BIOL 3322-002 are available to the **Inclusive Access (IA) program**. Students will be charged for the tuition and fees when registering but have the option to opt-out before the census day and get a refund. The ISBN for Kalat's Biological Psychology MindTap is 9780357035696.
- Special bundle arranged for UTA students: 13<sup>th</sup> edition loose-leaf edition + MindTap is sold at the UTA bookstore or from [www.cengagebrain.com/](http://www.cengagebrain.com/). Course Key will only work with purchases after a grace period.
- Purchase from other sources.



**Descriptions of major assignments and examinations:** There are no major assignments but reading the textbook and using MindTap are highly recommended. There will be **THREE in-person examinations** and three extra credit opportunities.

**Extra Credit:** There will be **three** extra credit opportunities. Each extra credit will count for 5 points. The extra credit will be in the form of a discussion board posted on Canvas. Detailed instructions will be given on Canvas. Extra credits will open a week before the associated exam and will close at 11:59 PM before the exam day. These extra credit assignments are completely optional and not mandatory. You will not be penalized for choosing to opt out of the extra credit. With that being said, I will not open any extra credits back up if you choose not to complete the assignment during the allotted due dates.

**Technology Requirements:** *The use of Canvas is required in this course.* Occasional syllabus updates, course materials, and course announcements will be communicated via Canvas. Go to <https://uta.instructure.com/> and login with your UTA email and password. If you are unfamiliar with how to work within this system contact the Help Desk in the Central Library. You can also email them for assistance: [helpdesk@uta.edu](mailto:helpdesk@uta.edu).

**Attendance and Drop Policy:** The modality of this class is **face-to-face only**. Attendance is not mandatory but is highly recommended for your success. 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.

**Dates to remember:** Census day, the last day to drop this course with an automatic "W". Otherwise, a grade of "F" will be assigned. **Please bring your own scantron (blue color, form no. 4521).**

**Course Specific Requirements:** This is an intensive course. Students are expected to know a lot of detailed information. Be sure to read the textbook before attending lectures and read the textbook after lectures. Reading lecture slides alone is not enough to make a good grade. When free tutoring is available, please take advantage to use it as much as possible.

**Grading:** Note: UTA policy will not allow the distribution of grades over phone call or email. 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. The three exams will contribute equally to the calculation of the final grade. The scores from three exams will be averaged and a letter grade will be assigned where A ≥ 85%, B ≥ 75%, C ≥ 65%, D ≥ 55%, and F < 55%. NOTE: This is the way how you can calculate your grade. If your final goal is to get a "B" in this class, then 75 x 3 = 225 is your total score out of 3 tests. If you had 65 in the first exam, and 68 in the second exam, then you need 92 (225 - 65 - 68 = 92) from the final exam in order to make a "B".

**Make-up Exam:** There is no provision for taking a make-up exam in this course unless documentation for a University-approved excuse (see Catalog <http://catalog.uta.edu/academicregulations/studentresponsibility/#attendancetext>) is received within one week of the exam date, except with conditions that will prevent you to access conscious means of communication. All makeup tests will be offered during the “dead week”, the week before the Final Exam Week. Make-up test is **ONLY** for those students who miss the first two tests, for a valid reason. It is the student’s responsibility to remember the day of the makeup test. **No test will be allowed to be taken earlier than the scheduled exam time and date.**

**Course Schedule (Tentative):**

*As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. – Julieta Trejo*

Week	Chapter/Topic	Extra Credit/Exam Dates
1	Chapter 1: Nerve Cells and Nerve Impulses	
2	Chapter 2: Synapses	
3	Chapter 3: Anatomy and Research Methods	
4	Chapter 4: Genetics, Evolution, Development and Plasticity	<b>Extra credit 1 due 02/14/2024 @ 11:59 PM</b>
5	<b>Exam 1 (units 1,2,3,4)</b>	<b>02/15/2024</b>
6	Chapter 5: Vision	
7	Chapter 6: Other Sensory Systems	
8	Chapter 7: Movement	
	Chapter 8: Wakefulness and Sleep	<b>Extra credit 2 due 03/18/2024 @ 11:59 PM</b>
9	<b>Exam 2 (Units 5,6,7,8)</b>	<b>03/19/2024</b>
10	Chapter 9: Internal Regulation	
12	Chapter 11: Emotional Behaviors	
	Chapter 12: Learning, Memory, and Intelligence	
13	Chapter 13: Cognitive Functions	
	Chapter 14: Psychological Disorders	<b>Extra credit 3 due 05/6/2024 @ 11:59 PM</b>
14	<b>Final Exam: Exam 3 (units 9,11,12,13,14)</b>	<b>5/7/2024 11:00 – 1:30 PM</b>
15	Make up exam day (see more information under “ <b>Make-up Exam</b> ”)	4/30/2024

**Grade Grievances:** Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current University Catalog. For undergraduate courses, see [Undergraduate Grading Policies](#); for graduate courses, see [Graduate Grading Policies](#). For student complaints, see [Student Complaints](#). **Grade Grievances:** Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current University Catalog. For undergraduate courses, see Undergraduate Grading Policies; for graduate courses, see Graduate Grading Policies. For student

complaints, see Student Complaints. The link to the Department of Psychology's student grievance form can be found [HERE](#).

Additionally, please note that grades on Canvas oftentimes do not accurately reflect the grading calculations from the syllabus. This creates some confusion among students. **Note:** Do not necessarily rely on percentages and letter grades provided in Canvas. Those are largely out of my control and may not reflect all calculations. **Your grade is based on the section in this syllabus (see “Grading”).**

**Expectations for Out-of-Class Study:** A general rule of thumb is this: for every credit hour earned, a student should spend 3 hours per week working outside of class. Hence, a 3-credit course might have a minimum expectation of 9 hours of reading, study, etc. Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional NINE hours per week of their own time in course-related activities, including reading required materials, completing assignments, and preparing for exams, etc.

**Drop Policy:** Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://wweb.uta.edu/aao/fao/>).

**Disability Accommodations:** UT Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including *The Americans with Disabilities Act (ADA)*, *The Americans with Disabilities Amendments Act (ADAAA)*, and *Section 504 of the Rehabilitation Act*. All instructors at UT Arlington are required by law to provide “reasonable accommodations” to students with disabilities, so as not to discriminate on the basis of disability. Students are responsible for providing the instructor with official notification in the form of a letter certified by the **Office for Students with Disabilities (OSD)**. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting:

**The Office for Students with Disabilities, (OSD)** [www.uta.edu/disability](http://www.uta.edu/disability) or calling 817-272-3364.  
**Counseling and Psychological Services, (CAPS)** [www.uta.edu/caps/](http://www.uta.edu/caps/) or calling 817-272-3671.

Only those students who have officially documented a need for accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability) or by calling the Office for Students with Disabilities at (817) 272-3364.

**Title IX:** The University of Texas at Arlington is committed to upholding U.S. Federal Law “Title IX” such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit [www.uta.edu/titleIX](http://www.uta.edu/titleIX).

**Academic Integrity:** Students enrolled in all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:

*I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.*

*I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected

violations of the university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University. **Note:** Any violations of the academic integrity policy will affect the course grade by giving the affected exam a score of **zero**.

**Electronic Communication:** UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

**Student Feedback Survey:** At the end of each term, students enrolled in classes categorized as "lecture," "seminar," or "laboratory" shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

**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 syllabus*. 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. During this week, classes are held as scheduled. In addition, instructors are not required to limit the content to topics that have been previously covered; they may introduce new concepts as appropriate.

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit, [which is located \[insert a description of the nearest exit/emergency exit\]](#). When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.

**Student Success Programs:** UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include [tutoring by appointment](#), [drop-in tutoring](#), [etutoring](#), [supplemental instruction](#), [mentoring](#) (time management, study skills, etc.), [success coaching](#), [TRIO Student Support Services](#), and [student success workshops](#). For additional information, please email [resources@uta.edu](mailto:resources@uta.edu), or view the [Maverick Resources](#) website.

**The IDEAS Center** (<https://www.uta.edu/ideas/>) (2<sup>nd</sup> Floor of Central Library) offers **FREE** [tutoring](#) and [mentoring](#) to all students with a focus on transfer students, sophomores, veterans and others undergoing a transition to UT Arlington. Students can drop in or check the schedule of available peer tutors at [www.uta.edu/IDEAS](http://www.uta.edu/IDEAS), or call (817) 272-6593.

### **[Student Grievance Form - University of Texas at Arlington](#)**

Location: Life Sciences Building, Room 313, 501 S. Nedderman Dr., Arlington, TX 76019 Mailing address: P.O. Box 19528. Phone: 817-272-2281; Fax: 817-272-2364. <https://www.uta.edu/academics/schools-colleges/science/departments/psychology/degree-programs/graduate/graduate-resources/student-grievance-form>

**The English Writing Center (411LIBR):** The Writing Center offers FREE tutoring in 15-, 30-, 45-, and 60-minute face-to-face and online sessions to all UTA students on any phase of their UTA coursework. Register and make appointments online at the [Writing Center \(https://uta.mywconline.com\)](https://uta.mywconline.com). Classroom visits, workshops, and specialized services for graduate students and faculty are also available. Please see [Writing Center: OWL](#)

for detailed information on all our programs and services.

The Library's 2<sup>nd</sup> floor [Academic Plaza](http://library.uta.edu/academic-plaza) (<http://library.uta.edu/academic-plaza>) offers students a central hub of support services, including IDEAS Center, University Advising Services, Transfer UTA and various college/school advising hours. Services are available during the [library's hours](#) of operation.

**Librarian to Contact:** Each academic unit has access to [Librarians by Academic Subject](#) that can assist students with research projects, tutorials on plagiarism and citation references as well as support with databases and course reserves.

**\*Library Information:** Andy Herzog is the Psychology Librarian: Central Library, RM. 313; Tel: 817-272-7517; email at [amherzog@uta.edu](mailto:amherzog@uta.edu). You will find useful research information for psychology at <http://www.uta.edu/library>.

Library Home Page .....	<a href="http://www.uta.edu/library">http://www.uta.edu/library</a>
Subject Guides .....	<a href="http://libguides.uta.edu">http://libguides.uta.edu</a>
Subject Librarians .....	<a href="http://www.uta.edu/library/help/subject-librarians.php">http://www.uta.edu/library/help/subject-librarians.php</a>
Database List .....	<a href="http://www.uta.edu/library/databases/index.php">http://www.uta.edu/library/databases/index.php</a>
Course Reserves .....	<a href="http://pulse.uta.edu/vwebv/enterCourseReserve.do">http://pulse.uta.edu/vwebv/enterCourseReserve.do</a>
Library Tutorials .....	<a href="http://www.uta.edu/library/help/tutorials.php">http://www.uta.edu/library/help/tutorials.php</a>
Connecting from Off- Campus .....	<a href="http://libguides.uta.edu/offcampus">http://libguides.uta.edu/offcampus</a>
Ask A Librarian .....	<a href="http://ask.uta.edu">http://ask.uta.edu</a>

The following URL houses a page where we have gathered many commonly used resources needed by students in online courses: <http://www.uta.edu/library/services/distance.php>.

The subject librarian for your area can work with you to build a customized course page to support your class if you wish. For examples, visit <http://libguides.uta.edu/os> and <http://libguides.uta.edu/pols2311fm> .

## Research or General Library Help

### Ask for Help

- [Academic Plaza Consultation Services](http://library.uta.edu/academic-plaza) (library.uta.edu/academic-plaza)
- [Ask Us](http://ask.uta.edu/) (ask.uta.edu/)
- [Research Coaches](http://libguides.uta.edu/researchcoach) (http://libguides.uta.edu/researchcoach)

### Resources

- [Library Tutorials](http://library.uta.edu/how-to) (library.uta.edu/how-to)
- [Subject and Course Research Guides](http://libguides.uta.edu) (libguides.uta.edu)
- [Librarians by Subject](http://library.uta.edu/subject-librarians) (library.uta.edu/subject-librarians)
- [A to Z List of Library Databases](http://libguides.uta.edu/az.php) (libguides.uta.edu/az.php)
- [Course Reserves](https://uta.summon.serialssolutions.com/#!/course_reserves) (https://uta.summon.serialssolutions.com/#!/course\_reserves)
- [Study Room Reservations](http://openroom.uta.edu/) (openroom.uta.edu/)

**ACES:** The Annual Celebration of Excellence by Students (ACES) symposium is a university-wide, daylong event scheduled for Wednesday, March 27, 2013. ACES displays the best of our students' research and creativity, where both undergraduate and graduate students present the research they have done with faculty mentors. Please attend this event to learn more about the outstanding research done at this university, and your opportunities to get involved with it.

**Face Covering Policy** (see <https://www.uta.edu/announcements/coronavirus/campus-updates/face-covering-protocol>)

**Emergency Phone Numbers:** Enter the UTA Police Department's emergency phone number into your own mobile phone. In case of an on-campus emergency, call the UT Arlington Police Department at 817-272-3003 (non-campus phone), 2-3003 (campus phone). You may also dial 911. Non-emergency number 817-272-3381.