



Department of Psychology and Counseling

PSYC 4318-060: Physiological Psychology

Spring 2022 (Online Course)

"Physiology and psychology cover, between them, the field of vital phenomena; they deal with the facts of life at large, and in particular with the facts of human life." -W. Wundt (1832-1920)

Instructor: Trey Rose

Office: HPR 236

Email: Drose2@patriots.uttyler.edu

Communication: I can be reached via email. I will respond as promptly as possible Mon-Fri.

Online Office Hours: Tuesdays from 1:00pm-3:00pm via Zoom link below or by appointment. Please let me know if you would like to set up a meeting outside of these days/times.

Link for Zoom office hours: <https://uttyler.zoom.us/j/4431513011>

Content Area

Course Description

This course examines research techniques in physiological psychology and the neurological basis of behavior. A special emphasis is given to the neurological basis of learning, memory, and abnormal behavior. This course is fully online and asynchronous, meaning there are no required course meetings. This course requires on average 10-15 hours of work per week. Recommended Prerequisite: Introductory biology or equivalent.

Learning Objectives

At the end of this course you should be able to master (remember and understand) the following course content:

1. The composition of the nervous system
2. How brain cells communicate
3. Methods used to investigate physiological psychology
4. How and why species' and organisms' behavior change over time
5. Sensation and perception
6. The biology of sleep
7. Homeostasis and related behaviors
8. Retention of experience in the nervous system (learning and memory)
9. Biological contributions to psychological disorders

Required Text(s) and/or Readings

- Kalat, J. (2019). *Biological psychology* (13th ed.). Cengage. ISBN: 978-1337408202

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Recommended Text(s):

- Pinel, J. P. & Edwards, M. (2008). *The anatomy of the human brain*. Pearson. ISBN: 978-0-205-54874-3
 - This is a coloring book that helps make learning about this topic a little more interesting and interactive.
- Other readings as assigned in Canvas

*Note: You may purchase a hard copy or e-book copy of the required textbook directly from the [publisher's site](#) or from any other entity you choose. You are welcome to purchase the additional recommended resources to help facilitate learning but are only required to use this book. This book is also available for two-hour reserve slots at the [UT Tyler library](#). *A student at UT-Tyler is not under any obligation to purchase a textbook from a university affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer. You may purchase your textbook in any format that you prefer.*

Methods of Instruction

Structure of the Course

This course will be conducted completely online. There are no mandatory face-to-face meetings with the instructor, although there will be synchronous online meetings and study sessions available. I will communicate and collaborate using various technologies that will be discussed below. It is critical to your success that you fully engage through each of these modes of interactions. Quality online courses are designed to provide the student with every learning opportunity that face-to-face contact allows and at the same time, foster independent learning of the course material.

The course is set up in 15 weekly learning units that equate to approximately 10-15 hours of classwork per week.

Canvas (<https://www.uttyler.edu/canvas/>)

Canvas will serve as the overall structure and launching pad for all our activities in this course. In Canvas, you will find announcements, assignments, course schedule, discussion boards, links to outside activities and so on. Within each module folder, the activities necessary to successfully complete that module are described in detail. If you need help learning how to use Canvas please ask questions or complete the [Canvas 101 Tutorial](#). Pay special attention to the Course Calendar and the Assignments and Activities descriptions. Go to Canvas settings and [set up your notifications to](#) "subscribe" to such announcements and comments from us so you will not miss anything. All students taking this course should have access to a computer with an internet connection that can support the use of Canvas. If you are having trouble logging onto Canvas or uploading assignments you can receive help by using the Help tab located on the left side of your Canvas screen, using the Canvas guides, or contacting Canvas help at (844) 214-6949. If you are having technical difficulties, please alert the professor as soon as possible. For other technical difficulties you can also contact our IT help desk at (903) 566-7439 or email them at itsupport@patriots.uttyler.edu.

Microsoft Office

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You will need to use Microsoft Office products (Word and PowerPoint) for some assignments. If you need to use an alternative program such as Apple's Pages, Google Drive documents, or any other formats, please ask the instructor or TA for assistance with how to convert your document into a .docx file. If you do not have Microsoft Office, please visit the following page for instructions for how to download it for free: <https://www.utt Tyler.edu/it/office365/365-proplus-students.php>. You will also need a webcam, microphone, and familiarity with how to use [Zoom](#) for meetings. You may [watch tutorials](#) about how to use Zoom on their website. Webcams and microphones are built into some computers already, but not all. Please test your devices as soon as possible to make sure your work. I can set up a test Zoom call with you to help you. Even inexpensive earbuds have microphones on them, so please procure one. Please let me know if you cannot access a webcam, microphone, or any other technology for this class. This request needs to be made as early in the semester as possible so that shipping or any other logistics could be achieved on time.

Student Performance Evaluation Criteria & Procedure

Course Activities/Requirements

- **Quizzes** (80 points each – 480 points total): You have the opportunity to take 6 quizzes to demonstrate your content knowledge on Canvas. The content covered for each quiz will be announced on Canvas. These quizzes are worth 80 points each. Each quiz is open-resource but you will be timed so being familiar with content prior to taking the quiz is important. You must take these quizzes by yourself (e.g., not with classmates). You will be given **45** minutes to complete these quizzes and they will be **due by 11:59pm on the Sunday** of the week they are listed on the calendar below.
- **Tests** (200 points each – 400 points total): There will be 2 tests this semester on Canvas. The content covered for each test is specified in the calendar below and will also be reviewed and announced on our class site. Each test is open-resource but you will be timed so being familiar with content prior to taking the test is important. You must take these tests by yourself (not with classmates). You will be given **105** minutes to complete these tests and they will be **due by 11:59pm on the Sunday** of the week they are listed on the calendar below.
- **Final Portfolio** (120 points each): There will be a final portfolio **due on the week of final exams** (see calendar below). For this portfolio you will be asked to create and answer 4 of your own short answer questions (worth 30 points each). Your portfolio should be 2 pages, double-spaced or you may submit your ideas and reflections by making a video instead. Feel free to be creative with this assignment and use the format that suits you best.

Extra Credit

You may earn extra credit by participating in research hours through SONA (2 points per hour), writing response papers to research articles or podcasts approved by the instructor (2 points per paper), and or participating in counseling through the training clinic (2 points per session).

Extra credit points are added to your Portfolio grade (because the grading is based on total points, it does not matter where I add it). You may earn a maximum of 10 points of extra credit and the deadline to earn any points is the final exam day.

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Make-up and Late Work

Please complete all assignments on the due dates listed in the Syllabus and on Canvas. If you experience significant barriers to submitting on time, please contact me as soon as possible about it. If it is close to or after the due time and you cannot reach me, feel free to submit the assignment anyway and I can evaluate whether or not to award credit. If you need an accommodation or extension due to a medical, family emergency, religious, or other excuse; please communicate as soon as possible. Late policies vary based on your situation and which assignment is late.

Assignments Breakdown

Assignment(s):		Points	Number	Category Points	Percent of Final Grade
Quizzes		80	6	480	48%
Tests		200	2	400	40%
Final Portfolio		120	1	120	12%
Extra Credit		Varies	Varies	Varies	X
				Total: 1,000	Total: 100%
Total Point Breakdown:	A → 1,000-900	B → 899-800	C → 799-700	D → 699-600	F → 599-0

Course Schedule				
Week	Dates	Topic	Readings	Assignment(s) Due
1	1/10	Introduction	Syllabus, Introduction	None
2	1/17	Nervous System Structure	Chapter 3	Quiz 1 due 11:59pm on 1/23 (covers week 1 & 2)
3	1/24	The Neuron	Chapter 1	None
4	1/31	Synapses	Chapter 2	Quiz 2 due by 11:59pm on 2/6 (covers week 3 & 4)
5	2/7	Genetics, Development, & Plasticity	Chapter 4	Study for Test 1
6	2/14	Review (weeks 1-6 content)	Review	Test 1 due by 11:59pm on 2/20 (covers week 1-6)
7	2/21	Learning & Cognition Sensation & Perception (Vision)	Chapter 12 (12.1-12.3 only) and Chapter 13 (13.1 only)	None

			Chapter 5 (5.1 only)	
8	2/28	Sleep	Chapter 8	Quiz 3 due by 11:59pm on 3/6 (covers week 8)
9	3/7	Internal Regulation	Chapter 9	Quiz 4 due by 11:59pm on 3/13 (covers week 9)
10	3/14	Reproductive Behaviors	Chapter 10	Quiz 5 due by 11:59pm on 3/20 (covers week 10)
11	3/21	Psychological Disorders	Chapter 14	None
12	3/28	Psychological Disorders	Chapter 14 (cont.)	Quiz 6 due by 11:59pm on 4/3 (covers weeks 11-12)
13	4/4	Review (weeks 7-13 content)	Review	Review
14	4/11	Test	Review and Reflection	Test 2 due on 4/17 at 11:59pm (covers week 7-13)
15	4/18	Portfolio		Final Portfolio due by 11:59pm on 4/24

Course Policies and Requirements

Patriots E-mail

University policy requires that all e-mail correspondence between students and instructor be done via the **Patriots account ONLY**. Check your Patriots E-Mail frequently. Announcements pertaining to class or departmental business will be sent to the student's Patriots account. In accord with university policy your instructor will respond **ONLY** to student correspondence sent via Patriot E-mail. My email address is bridgetkennedy@uttyler.edu. You will also need to use your Patriots email for Flipgrid.

Diversity Statement

Students are expected to be sensitive to individual and multicultural differences and to treat one another with respect during their experience in this course. Sensitivity to gender/race/ethnicity/ability/sexuality is expected and disrespectful language and/or behavior will not be tolerated.

Course Feedback and Evaluation

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Your constructive assessment of this course plays an indispensable role in shaping education at University of Texas at Tyler. Upon completing the course, please take time to fill out the online course evaluation.

University Policies

UT Tyler Honor Code

Every member of the UT Tyler community joins together to embrace: Honor and integrity that will not allow me to lie, cheat, or steal, nor to accept the actions of those who do.

Campus Carry

Though this is an online class, it is important for you to know that we respect the right and privacy of students 21 and over who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at <http://www.uttyler.edu/about/campus-carry/index.php>

UT Tyler is a Tobacco-Free University

All forms of tobacco will not be permitted on the UT Tyler main campus, branch campuses, and any property owned by UT Tyler. This applies to all members of the University community, including students, faculty, staff, University affiliates, contractors, and visitors. Forms of tobacco not permitted include cigarettes, cigars, pipes, water pipes (hookah), bidis, kreteks, electronic cigarettes, smokeless tobacco, snuff, chewing tobacco, and all other tobacco products. There are several cessation programs available to students looking to quit smoking, including counseling, quitlines, and group support. For more information on cessation programs, please visit www.uttyler.edu/tobacco-free.

Student Rights and Responsibilities

To know and understand the policies that affect your right and responsibilities as a student at UT Tyler, please follow this link: <http://www.uttyler.edu/wellness/rightsresponsibilities.php>

Grade Replacement/Forgiveness and Census Date Policies

Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date (**January 25th, 2021**) of the semester in which the course will be repeated. Grade Replacement Contracts are available in the Enrollment Services Center or <http://www.uttyler.edu/registrar>. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar.

Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract. The

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Census Date is the deadline for any forms and enrollment actions that students need to be aware of. These include:

- Submitting Grade Replacement Contracts, Transient Forms, requests to withhold directory information, approvals for taking courses as Audit, Pass/Fail or Credit/No Credit.
- Receiving 100% refund for partial withdrawals. (There is no refund for these after the Census Date)
- Schedule adjustments (session changes, adding a new class, dropping without a “W” grade)
- Being reinstated or re-enrolled in classes after being dropped for non-payment
- Completing the process for tuition exemptions for waivers through Financial Aid.

State-Mandated Course Drop Policy

Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university. For purposes of this rule, a dropped course is any course that is dropped after the census date (See Academic Calendar for the specific date). Exceptions to the 6-drop rule may be found in the catalog. Petitions for exemptions must be submitted to the Enrollment Services Center and must be accompanied by documentation of the extenuating circumstance. Please contact the Enrollment Services Center if you have any questions.

Disability/Accessibility Services

In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA) the University of Tyler at Texas offers accommodations to students with learning, physical and/or psychological disabilities. If you have a disability, including non-visible a diagnosis such as a learning disorder, chronic illness, TBI, PTSD, ADHD, or you have a history of modifications or accommodations in a previous educational environment, you are encouraged to visit <https://hood.accessiblelearning.com/UTTyler> and fill out the [New Student](#) application. The Student Accessibility and Resources (SAR) office will contact you when your application has been submitted and an appointment with an Accessibility Case Manager. For more information, including filling out an application for services, please visit the SAR webpage at <http://www.utt Tyler.edu/disabilityservices>, the SAR office located in the University Center, # 3150 or call (903) 566-7079.

Student Absence due to Religious Observance

Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second meeting of class. In our case since we are an online class, please let me know by the second week of the semester.

Student Absence for University-Sponsored Events and Activities

If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor)

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must notify the instructor at least 2 weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.

Social Security and FERPA Statement

It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act (FERPA); grades will not be transmitted electronically.

Emergency Exits and Evacuation

Though we are an online class, it is important to know this policy for when you are on campus: Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first week of class. Do not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.

Student Standards of Academic Conduct

Disciplinary proceedings may be initiated against any students who engages in scholastic dishonesty, including, but 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.

(i) "Cheating" includes, but is not limited to:

- Copying from another students' test paper;
- Using during a test, materials not authorized by the person giving the test;
- Failure to comply with instructions given by the person administering the test;
- Possession during a test of materials which are not authorized by the person giving the test, such as class notes or specifically designed "crib notes." The presence of textbooks constitutes a violation if they have been specifically prohibited by the person administering the test;
- Using, buying, stealing, transporting, or soliciting in whole or part the contents of an unadministered test, test key, homework solution, or computer program;
- Collaborating with or seeking aid from another student during a test or other assignment without authority;
- Discussing the contents of an examination with another student who will take the examination;
- Divulging the contents of an examination, for the purpose of preserving questions for us by another, when the instructor has designated that the examination is not to be removed from the examination room or not to be returned or to be kept by the student;
- Substituting for another person, or permitting another person to substitute for oneself to take a course, a test, or any course-related assignment;
- Paying or offering money or other valuable things to, or coercing another person to obtain an

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unadministered test, test key, homework solution, or computer program, or information about an unadministered test, test key, homework solution or computer program;

- Falsifying research data, laboratory reports, and/or other academic work offered for credit;
 - Taking, keeping misplacing, or damaging the property of U. T. Tyler, or of another, if the student knows or reasonably should know that an unfair academic advantage would be gained by such conduct; and,
 - Misrepresenting facts, including providing false grades or resumés, for the purpose of obtaining an academic or financial benefit or injuring another student academically or financially.
- (ii) “Plagiarism” includes, but is not limited to, the appropriation, buying, receiving as a gift, or obtaining by any means another’s work and the submission of it as one’s own academic work offered for credit.
- (iii) “Collusion” includes, but is not limited to, the unauthorized collaboration with another person in preparing academic assignment offered for credit or collaboration with another person to commit a violation of any section of the rules on scholastic dishonesty.
- (iv) All written work that is submitted will be subject to review by plagiarism software.

College of Education and Psychology Vision and Mission and Program Standards

Vision

The College of Education and Psychology is nationally recognized and respected for its academic programs and opportunities. It is a center of academic excellence, scholarly inquiry, and public service. The College prepares leaders to meet the critical challenges of the 21st Century, to make significant contributions to local and global communities, and to work toward individual and cultural equity.

Mission

The mission of the College of Education and Psychology is to provide a positive environment that fosters the acquisition of knowledge and skills. The mission is individually and collectively realized through a community of scholars that contributes to knowledge through scholarly inquiry; organizes knowledge for application, understanding and communication; and provides leadership and service. Additionally, the College is committed to affirming and promoting global perspectives, cultural diversity, and respect for individual differences as a means of enhancing learning, service, and scholarship.

UT Tyler Resources for Students

- UT Tyler Writing Center (903.565.5995), writingcenter@uttyler.edu
- UT Tyler Tutoring Center (903.565.5964), tutoring@uttyler.edu
- The Mathematics Learning Center, RBN 4021. This is the open-access computer lab for math students, with tutors on duty to assist students who are enrolled in early-career courses.
- UT Tyler Counseling Center (903.566.7254)

Note: This syllabus is subject to change at the discretion of the instructor. Any changes will be

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announced to the class.

Important COVID-19 Information for Classrooms and Laboratories

Though we are an online class, it is important to know this policy for when you are on campus:

Students are expected to wear face masks covering their nose and mouth in public settings (including classrooms and laboratories). The UT Tyler community of Patriots views adoption of these practices consistent with its [Honor Code \(Links to an external site.\)](#) and a sign of good citizenship and respectful care of fellow classmates, faculty, and staff.

Students who are feeling ill or experiencing symptoms such as sneezing, coughing, digestive issues (e.g. nausea, diarrhea), or a higher than normal temperature should stay at home and are encouraged to use the [UT Tyler COVID-19 Information and Procedures](#) website to review protocols, check symptoms, and report possible exposure. Students needing additional accommodations may contact the Office of Student Accessibility and Resources at University Center 3150, or call (903) 566-7079 or email saroffice@uttyler.edu.

Recording of Class Sessions

Class sessions may be recorded by the instructor for use by students enrolled in this course.

Recordings that contain personally identifiable information or other information subject to FERPA shall not be shared with individuals not enrolled in this course unless appropriate consent is obtained from all relevant students. Class recordings are reserved only for the use of students enrolled in the course and only for educational purposes. Other students' recordings or recordings with student information should not be shared outside of the course in any form without express permission.

*Note: Our class is fully online and asynchronous, meaning there are no scheduled class sessions. I will use pre-recorded video lectures and will not use Zoom to record any content with students in it.