

# SYLLABUS

**Course Information:**

PSYC 5354.060: Psychopharmacology  
SPRING, 2022  
Asynchronous Online

**Instructor Information:**

Professor: Abigail Happli, PsyD

**Office Hours: Available Upon Request**

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**NOTE: 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.**

**Course Description:** A survey of physiological and behavioral effects of the major classes of psychoactive therapeutic agents including their therapeutic indications, mechanisms of action, and side effects.

**Prerequisites:** PSYC 4318 or equivalent and preferably PSYC 5352.

**Student Learning Outcomes:** As a result of this course, the successful students will:

1. Demonstrate knowledge of brain neuroanatomy
2. Demonstrate knowledge of neurotransmitter syntheses
3. Demonstrate knowledge of the biochemical basis of the neuronal impulse
4. Demonstrate knowledge of the various classes of psychopharmacological agents
5. Demonstrate knowledge of various brain circuits involved in psychological symptomatology
6. Demonstrate knowledge of the biochemical theories underlying schizophrenia, mood disorders, and anxiety disorders
7. Demonstrate knowledge of the proprietary names, mechanisms of action, therapeutic indications, and side effects of a wide array of psychopharmacological agents

### **Evaluation and Grading:**

You will take three short answer essay exams during the semester. Each exam will consist of 100 points. All questions will be valued at either 10 or 20 points.

You will also have a quiz each week at the outset of class to assess what you learned from reading the assigned chapter prior to lecture. **The quizzes are a mechanism to make sure that you read the chapter prior to class.** They will consist of 10 multiple choice questions each. **You must be present to take a quiz. There are no makeup quizzes.**

Specifically, your final grade will be calculated by obtaining the sum of the scores on each exam plus the total number of correct points obtained on each quiz to determine the grand total of the number of points obtained for the semester.

In general, on exams a grade of 90-100 is an A, a grade of 80-89 is a B, a grade of 70-79 is a C. If a student earns a grade of 60-69 or 59 and below those grades will be a D and F, respectively. **The same percentages will determine your final grade.** The third exam is your final exam and it is not a cumulative exam. No exam or quiz grades will be dropped.

### **Teaching Strategies/Course Policies:**

1. You are required to attend class as attendance is critical for understanding of the material. If you miss more than 1 (lectures) class 5 points for each missed class will be deducted from your grade.
2. The primary teaching technique utilized in this class will be lecture with Power Point presentations. The Power Point presentations will be posted on your Canvas site. You are required to read all assigned material prior to attending class. Psychopharmacology is very much a science class and is one of the more difficult courses in the Neuropsychology curriculum.
3. There will also be three modules of information that are essentially information that you should have learned in your undergraduate Physiological Psychology class or in the PSYC 5352 Behavioral Neuroscience class. However, some members of this class are not Clinical Neuroscience students and are not required to take PSYC 5352. **If anyone has difficulty understanding the course material and would like supplemental information related to behavioral neuroscience, please feel free to contact me directly.**
4. Exams should be taken on the day that they are scheduled. If you have a legitimate emergency or documentable illness, you must contact/notify the Professor PRIOR to the administration of the exam. Failure to do so will result in an automatic F on that exam. If you have a medical issue, you must provide documentation of your illness.
5. Honesty is an important quality. If there are data to suggest that a student has cheated and/or plagiarized or sought information from other students regarding test questions, such behavior will result in an automatic F in the course. Additionally, one needs to understand that such dishonesty can result in dismissal from the University.

**Required Text: Stahl, Stephen (2021). *Stahl's essential psychopharmacology: Neuroscientific basis and practical applications*. 4th Edition. Cambridge University Press: New York: New York 4**

Date	Topic	Required Readings and Assignments
Week 1:	Introduction, Syllabus, Chemical Neurotransmitters	Chapter 1
Week 2:	Transporters, receptors, and Enzymes as Targets of Psychopharmacological Drug Action; Ion Channels as Targets of Psychopharmacological Drug Action	<b>Quiz 1</b> , Chapter 2 and 3
Week 3:	Psychosis, Schizophrenia, and the Neurotransmitter Networks Dopamine, Serotonin, and Glutamate; Targeting Dopamine and Serotonin Receptors for Psychosis, Mood, and Beyond: So-Called “Antipsychotics”	<b>Quiz 2</b> , Chapter 4 and 5
Week 4:	Mood Disorders and the Neurotransmitter Networks Norepinephrine and $\gamma$ -Aminobutyric Acid (GABA); Treatments for Mood Disorders: So-Called “Antidepressants” and “Mood Stabilizers”	<b>Quiz 3</b> , Chapter 6 and 7
Week 5:		<b>Exam 1</b> (Chapters 1-7)
Week 6:	Anxiety, Trauma, and Treatment; Chronic Pain and Its Treatments	<b>Quiz 4</b> , Chapter 8 and 9
Week 7:	Disorders of Sleep and Wakefulness and Their Treatment: Neurotransmitter Networks for Histamine and Orexin	<b>Quiz 5</b> , Chapter 10
Week 8:	Attention Deficit Hyperactivity Disorder and Its Treatments	<b>Quiz 6</b> , Chapter 11
Week 9:		<b>Exam 2</b> (Chapter 8-11)
Week 10:	Dementia: Causes, Symptomatic Treatments, and Neurotransmitter Networks Acetylcholine	<b>Quiz 7</b> Chapter 12

Week 11:	Impulsivity, Compulsivity, and Addiction	<b>Quiz 8</b> Chapter 13
Week 12:	Supplemental Readings	<b>Quiz 9</b>
Week 13:	Supplemental Readings	<b>Quiz 10</b>
Week 14:		<b>Exam 3</b> (Chapter 12 and 13 and Supplemental Readings)
Week 15:	No Class	No Class

## **CEP 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.

### ***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) must notify the instructor at least two 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; grades will not be transmitted electronically. UNIVERSITY POLICIES AND ADDITIONAL INFORMATION THAT MUST APPEAR IN EACH COURSE SYLLABUS

### ***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.

### ***Students Rights and Responsibilities***

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

### ***UT Tyler 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](http://www.uttyler.edu/tobacco-free).

### ***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 of the semester in which the course will be repeated. (For Fall, the Census Date is Sept. 12.) Grade Replacement Contracts are available in the Enrollment Services Center or at <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 Census Date (Sept. 12th) is the deadline for many forms and enrollment actions of which students need to be aware. These include:

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

### ***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 Texas at Tyler offers accommodations to students with learning, physical and/or psychological disabilities. If you have a disability, including a non-visible 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 Cynthia Lowery, Assistant Director of Student Services/ADA Coordinator. For more information, including filling out an application for services, please visit the SAR webpage at <http://www.uttyler.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 the semester.

### ***Emergency Exits and Evacuation***

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 student 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.

“Cheating” includes, but is not limited to:

1. Copying from another student's test paper or using during a test, materials not authorized by the person giving the test
2. Failure to comply with instructions given by the person administering the test
3. Possession of test materials not authorized by the person giving the test
4. The presence of textbooks constitutes a violation if they have been specifically prohibited by the instructor
5. Using, buying, stealing, transporting, or soliciting in whole or part of the contents of an unadministered test, test key, homework solution, or computer program
6. collaborating with or seeking aid from another student during a test or other assignment without authority
7. discussing the contents of an examination with another student who will take the examination
8. divulging the contents of an examination, for the purpose of preserving questions for use by another, when the instructors 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
9. substituting for another person, or permitting another person to substitute for oneself to take a course, a test, or any course-related assignment
10. paying or offering money or other valuable thing to, or coercing another person to obtain an unadministered test, test key, homework solution, or computer program or information about an unadministered test, test key, home solution or computer program
11. falsifying research data, laboratory reports, and/or other academic work offered for credit
12. taking, keeping, misplacing, or damaging the property of The University of Texas at Tyler, or of another, if the student knows or reasonably should know that an unfair academic advantage would be gained by such conduct
13. misrepresenting facts, including providing false grades or resumes, for the purpose of obtaining an academic or financial benefit or injuring another student academically or financially

“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.

“Collusion” includes, but is not limited to, the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any section of the rules on scholastic dishonesty.

All written work that is submitted will be subject to review by plagiarism software. UT Tyler Resources for Students:

1. UT Tyler Writing Center (903.565.5995), [writingcenter@uttyler.edu](mailto:writingcenter@uttyler.edu)
2. UT Tyler Tutoring Center (903.565.5964), [tutoring@uttyler.edu](mailto:tutoring@uttyler.edu)
3. 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
4. UT Tyler Counseling Center (903.566.7254)