

PSY 4313 – D10

Behavioral Neuroscience (*Online*)

Summer 2021



Instructor: Dr. Stephen Lippi

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Office: Academic 104C

Office Hours: Online via email (anytime), Zoom conferencing software (if needed by student), or Blackboard Collaborate (if needed by student).

Course Information

Course Description

This course builds upon knowledge students gained through introductory Psychology courses regarding the brain and behavior. In this course, students will begin by learning the cellular bases of the nervous system and the ways that scientists study the nervous system. Then, brain development, vision (sensory system) and motor functions and structures will be reviewed, followed by in-depth explorations of particular behaviors, including: hunger, sleep, learning and memory, emotions, and abnormal behaviors.

Course Credits

3 credits

Prerequisite and Co-requisite Courses

Prerequisite: PSY 2301

Prerequisite Skills

Accessing internet web sites (including **MindTap** websites through Blackboard), use of ASU Library resources, and proficiency with Microsoft Word and PowerPoint. Tutorials for ASU Library and for Blackboard are available through RamPort. The ASU Undergraduate/Graduate student handbook should be reviewed before taking this class.

Student Learning Outcomes

Student Learning Outcome By completing all course requirements, students will be able to:	Assignment(s) or activity(ies) validating outcome achievement:
Gain a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories)	Exams (completed throughout the summer semester) MindTap Mastery Trainings & Chapter Tests (due throughout the semester)
Learn to apply course material (to improve thinking, problem solving, and decisions)	MindTap Laboratory assignments/quizzes due throughout the summer semester

Course Delivery

This is an online course offering. The course will be delivered via the Blackboard Learning Management System. The course site can be accessed at [ASU's Blackboard Learning Management System](#)

Required Texts and Materials

Discovering Behavioral Neuroscience (Freberg, 4th edition) (Looseleaf book) **with** 6 month MindTap access (ISBN: 9781337752022)

Or

1 term (Cengage unlimited) ISBN: 9781337570961

*****For this course, you need to obtain access to MindTap to complete online assignments.**

Technology Requirements

To successfully complete this course, students need to **purchase access to MindTap (Cengage)** – see above. This online companion site includes videos, review material, quizzes, and lab assignments that you *must complete* as part of your course grade.

Browser Compatibility Check

It is the student's responsibility to ensure that the browser used to access course material on his/her computer is compatible with ASU's Blackboard Learning System. The faculty reserve the right to deny additional access to course assignments lost due to compatibility issues. Students are responsible for reviewing the guidelines posted in this course regarding accessing Blackboard assignments. Problems in this area need to be discussed with faculty at the time of occurrence, either via a phone call during posted acceptable hours for calling, or via email notification (preferred) during times outside those posted for calls.

To participate in one of ASU's distance education programs, you need this technology:

- A computer capable of running Windows 7 or later, or Mac OSX 10.8 or later
- The latest version of one of these web browsers: Internet Explorer, Firefox, or Safari
- Microsoft Office Suite or a compatible Open Office Suite
- Adobe Acrobat Reader
- High Speed Internet Access
- Ethernet adapter cable required (wireless connections can drop during tests and Collaborate sessions)
- Webcam

Topic Outline (Subject to change at the Professor's discretion)

MindTap Mastery Trainings and MindTap Chapter Tests are all due August 10, by midnight (August 10, 12:00AM - **so by end of day August 9**); this is to allow students the opportunity to work at their own pace. BioPsychology laboratory experiments/quizzes are due throughout the semester on dates listed below.

Date	Topic	Readings	Mastery Trainings	MindTap Chapter Quizzes	Biopsychology Labs	Cengage Videos to Watch
Week 1 July 12-July 18	Intro to Behavioral Neuroscience Neuroanatomy Neurophysiology Psychopharmacology	Ch. 1-4	Ch. 1-4 Due August 10 (12AM) <i>Suggested Due Date: July 18</i>	Ch. 1-4 Due August 10 (12AM) <i>Suggested Due Date: July 18</i>	Ch. 3 lab due July 18 (11:59PM)	1.2: Electroencephalography (EEG) 2.2 Major Structures of the Brain 3.1 Axon Growth 3.2 The Axon Potential 4.2 Agonists and Antagonists
July 16-18	Exam 1 is open and available to complete Due via submission link by 11:59PM Sunday July 18					
Week 2 July 19-25	Development of the Brain Vision Movement	Ch. 5, 6, and 8	Ch. 5, 6, and 8 Due August 10 (12AM)	Ch. 5, 6, and 8 Due August 10 (12AM)	Ch. 6 lab due July 25 (11:59PM)	6.2: Visual Transduction 6.2: Retinal Ganglion Cell Receptive Fields

			<i>Suggested Due Date: July 19</i>	<i>Suggested Due Date: July 19</i>		
July 23-25	Exam 2 is open and available to complete Due via submission link by 11:59PM Sunday July 25					
Week 3 July 26-Aug 1	Hunger Sleep Learning & Memory	Ch. 9, 11, and 12	Ch. 9, 11, and 12 Due August 10 (12AM) <i>Suggested Due Date: Aug 1</i>	Ch. 9, 11, and 12 Due August 10 (12AM) <i>Suggested Due Date: Aug 1</i>	Ch. 9 and 12 labs due August 1 (11:59PM)	11.1: Cellular Clock 12.1: The Neural Basis of Habituation, Sensitization, and Classical Conditioning
July 30- Aug 1	Exam 3 is open and available to complete Due via submission link by 11:59PM Sunday August 1					
Week 4 Aug 2- 8	Emotion, Aggression, and Stress Neuropsychology Psychopathology	Ch. 14-16	Ch. 14-16 Due August 10 (12AM) <i>Suggested Due Date: Aug 8</i>	Ch. 14-16 Due August 10 (12AM) <i>Suggested Due Date: Aug 8</i>	Ch. 14 lab due August 8 (11:59PM)	16.2: The genetics of schizophrenia
August 10-12	Exam 4 is open and available to complete Due via submission link by 11:59PM Thursday August 12					

Self-introduction video

Since we will not meet in person this summer, please upload a self-introduction video using Flipgrid. Flipgrid allows students to record themselves using their phones or computers in quick 1-2 minute clips. You're also given a lot of creative freedom with these videos. These videos are meant to be an introduction to yourself and I can get to know you all since I won't be physically seeing you this semester. In your video, please introduce yourself (name, where you are this summer/where you are from), your year at ASU, what you are studying/what your major is, and tell me a little bit about yourself – why are you taking this class? You'll place the following code into Flipgrid to access our course: **Join Code: d56a776b** This assignment is worth 10 points of extra credit and will be added to your final grade total. **This self-introduction video is due by 5:00PM Sunday July 18, 2021.**

Exams

There will be 4 non-cumulative exams throughout the course of the summer. These exams may consist of multiple choice, true/false, short answer, fill-in-the-blank or other types of questions. **These exams will open on Friday and will be closed on Sunday at 11:59PM.** For instance, exam 1 is due July 18 by 11:59PM; the link to Exam 1 will be available on Friday July 16. Students will download the appropriate exam file and will complete it and submit it via a submission link that will be found in the exam folder. Once 11:59:59PM occurs on the due date, the link will disappear and students will be unable to submit the exam. Each noncumulative exam (Exams 1-4) will be worth 15% of the total course grade (i.e. exams will make up 60% of the course grade).

For submission of exams:

Students should/can complete and submit their exams in the following ways:

- Students may print out the exam, answer all questions on the exam itself, and submit it as a PDF on Blackboard
 - Free applications, such as Adobe Scan, can be used to take pictures of the pages and this will then convert all scanned images into a PDF file
 - Alternatively, students can scan their completed exam and submit that images/PDF as a file for submission
- Students may open the exam in Microsoft word and answer all questions within the document itself – make sure that all answers are clearly indicated. After completing the exam, students will save the file as a .docx file and submit it in Blackboard.

MindTap Review “Mastery” Trainings

Students are responsible for the completion of Mastery trainings that review each chapter. These trainings are meant to allow students to remain engaged in course material and to help them learn/review vocabulary and terms useful for those respective chapters. In order to gain full credit, students will have to complete the mastery trainings several times. These are not assignments that you can do once and then call it a day. **MindTap Mastery Trainings are all due at the end of the semester (August 10, 12:00am) (see dates above).** You may work on these throughout the summer term; once you complete the assignment you do not have to keep doing it; however, going back and revisiting the material may enhance knowledge/memory about key concepts students may see on tests. *Recommended due dates are listed in the course schedule above.*

So how do they work? These assignments allow students to select a varied amount of “memories” that they wish to learn. (e.g. 10 or 20) This will be the amount of terms students will be reviewing in that “session”. At the conclusion of that session, students will earn progress towards that chapters’ mastery training. You need to get the **progress circle** to 100% for that chapter. Once you do, you will get 10 points (this is synced with Blackboard). Once you complete the progress bar for that chapter, you do not have to keep doing them. *Please allow 24 hours for grades to sync from MindTap to Blackboard.* All MindTap mastery trainings are available from the beginning of the semester and are all due by **August 10, 12:00am.** This is to allow students the opportunity to organize their summer schedule to fit in completion of assignments.

Each Review assignment (Mastery Training) is worth 10 points and you can drop the lowest one (or choose not to do one). So, that is 12 trainings at 10 points each for a total grade contribution of 120 points.

MindTap Chapter Tests

Throughout the summer, students will be responsible for completing chapter tests. These tests consist of 20 questions and you will get **2 attempts, each lasting 60 minutes**. When completing each test, once you select an answer for a question, you can save your responses and then manually click another question on the left hand side. Once completed, select “Submit Assignment for Grading”. **All chapter tests are due August 10, at 12:00am**. Your best out of the 2 attempts will be used for scoring.

Each chapter quiz is worth 20 points and you can drop the lowest one (or choose not to do one). So, that is 12 chapter quizzes at 20 points each for a total MindTap chapter test grade contribution of 240 points.

MindTap Laboratory Experiments

Throughout the course, students will be responsible for completing certain Virtual Biological Psychology Labs. Each lab involves an instructional set of slides/point-and-click experiences and concludes with a quiz covering that lab. These experiments are meant to engage students with the course material they are learning. **All due dates for MindTap Virtual biological psychology labs can be found in the schedule above. You are responsible for completing the laboratory experiment assignments by the specified due dates and none can be made up.** You have **2 attempts at each lab with 60 minutes to complete them**; each lab is worth 25 points. You can drop the lowest one (or choose not to do one). So, that is 4 virtual biological psychology labs at 25 points each for a total grade contribution of 100 points.

Communication

Faculty will respond to email and/or telephone messages within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday.

Written communication via email: All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes. In your emails to faculty, include the course name and section number in your subject line.

Virtual communication: Office hours and/or advising may be done with the assistance of the telephone, Collaborate, Skype, Zoom, etc.

Grading

Evaluation and Grades

Course grades will be determined as indicated in the table below.

Assessment	Percent/Points of Total Grade
Exams (4 noncumulative) Each 15% (172.5 points each)	60% (690 points)
MindTap Mastery (Review) Trainings (12) 10 points each	10.43478261% (120 points)

MindTap Chapter quizzes (12) 20 points each	20.86956522% (240 points)
MindTap laboratory experiments (4) 25 points each	8.695652174% (100 points)
Total	100% (1150 points)

Grading System

Course grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:

- A = 1035-1150 points (**90% - 100%**)
- B = 920-1034.99 points (**80% - 89.99%**)
- C = 805-919.99 points (**70% - 79.99%**)
- D = 690-804.99 points (**60% - 69.99%**)
- F = 0-689 points (**0% - 59.99%**)

***Important: At the end of the summer session, you may be tempted to email me a variant of *any* of the following:

- “Dr. Lippi, I’m SO CLOSE to a passing grade!”
- “Dr. Lippi, What extra credit is there that I can do to boost my grade?”
- “Dr. Lippi, I have to graduate!”
- “Dr. Lippi, can you please curve my grade?”

Please do not email me at the end of the semester asking to boost your grade, change your grade, or curve your grade. This is not ethical to do. Grades are **earned** by each and every student and it is not fair to adjust your grade or assign you extra credit without doing the same for everyone. Also, there is no extra credit. So we’ll get that out of the way now.

Teaching Strategies

Students are expected to be “active learners.” It is a basic assumption of the instructor that students will be involved (**beyond the materials and lectures presented in the course**) discovering, processing, and applying the course information using peer-review journal articles, researching additional information and examples on the Internet, and discussing course material and clinical experiences with their peers.

Assignment and Activity Descriptions

All course material is available for students at the beginning of the semester. With the exception of Biopsychology lab assignments and exams, all assignments are due on August 3, at 12:00am. Students

can work at their own pace on all assignments; however, pay particular attention to exam and biopsychology lab due dates.

Students are expected to be “active learners.” It is a basic assumption of the instructor that students will be involved (**beyond the textbook and videos presented in the course**) discovering, processing, and applying the course information using Youtube videos, researching additional information and examples on the Internet, and discussing course material and applied experiences with peers.

Assignment Submission

All exams will be done through the course Blackboard site. All MindTap assignments will be submitted through the Cengage MindTap platform; please allow some time to pass after you submit assignments for grades to sync with Blackboard. If you’re having issues with grades not syncing, please be sure to attach a copy of the issue so that I can make sure points are awarded *appropriately*. If a technology issue arises with an exam, please email me with screenshots of the issue or let me know what is happening. I have attached links for Cengage Technical support to assist with any technical issues that may arise with MindTap.

Additionally, please contact the IT Service Center at (325) 942-2911 or go to your Technology Support tab to report any technological issue you may be having with Blackboard.

Late Work or Missed Assignments Policy

POLICY ON LATE OR MISSED ASSIGNMENTS

Due dates and times for all assignments are posted. MindTap assignments will not be given extensions if you fail to submit them on time. If a student does not complete an exam, a 0 will be given.

General Policies Related to This Course

All students are required to follow the policies and procedures presented in these documents:

- [Angelo State University Student Handbook](#)¹
- [Angelo State University Catalog](#)²

Student Responsibility and Attendance

Online: This class is asynchronous, meaning you do not have to be on-line at a certain time. There are readings which you will have to complete to be able to adequately participate in individual and group assignments. In order to complete this course successfully, you do have to participate in all course activities i.e. MindTap assignments (Mastery trainings, quizzes, and labs)

¹ <https://www.angelo.edu/student-handbook/>

² <https://www.angelo.edu/catalogs/>

and exams. Students are expected to engage in course activities and submit work by the due dates and times. The hope is that students will make substantive contributions which reflect integration of assigned materials as well as any outside readings as appropriate. Scholarly contribution is an expectation. For planning purposes, this class will probably require a minimum of 6-9 study hours per week on average.

Academic Integrity

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Health and Human Services adheres to the university's [Statement of Academic Integrity](#).³

Accommodations for Students with Disabilities

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student's responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the [Student Disability Services website](#).⁴ The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu

³ <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

⁴ <https://www.angelo.edu/services/disability-services/>

Houston Harte University Center, Room 112

Incomplete Grade Policy

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 [Grading Procedures](#)⁵ for more information.

Plagiarism

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)⁶ in the Student Handbook. Plagiarism is the action or practice of taking someone else's work, idea, etc., and passing it off as one's own. Plagiarism is literary theft.

In any assignment requiring gathering outside material, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality. Resources to help you understand this policy better are available at [the ASU Writing Center](#).⁷

Student Absence for Observance of Religious Holy Days

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for [Observance of Religious Holy Day](#)⁸ for more information.

Syllabus Changes

The faculty member reserves the option to make changes as necessary to this syllabus and the course content. If changes become necessary during this course, I will notify students of such changes by email, course announcements and/or via a discussion board announcement. It is the student's responsibility to look for such communications about the course on a daily basis.

⁵ <https://www.angelo.edu/content/files/14197-op-1011-grading-procedures>

⁶ <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

⁷ https://www.angelo.edu/dept/writing_center/academic_honesty.php

⁸ <https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of>

Title IX at Angelo State University

Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.

You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Boone, J.D. You may submit reports in the following manner:

Online: www.angelo.edu/incident-form

Face to face: Mayer Administration Building, Room 210

Phone: 325-942-2022

Email: michelle.boone@angelo.edu

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State's policy please visit: www.angelo.edu/title-ix.

Student Evaluation of Faculty and Course

Students in all programs are given the opportunity to evaluate their courses and the faculty who teach them. Evaluations are most helpful when they are honest, fair, constructive, and pertinent to the class, clinical experience, or course. Faculty value student evaluations, and use student suggestions in making modifications in courses, labs and clinical experiences.

Angelo State University uses the IDEA (Individual Development and Educational Assessment) system administered through Kansas State University for all course evaluations. The Office of

Institutional Research and Assessment administers IDEA for the entire university, online and has established a policy whereby students can complete course evaluations free from coercion.