SYLLABUS

PSY 3001: Physiological and Neuropsychology

Fall 2023

Faculty: Dr. Kendra Oakes Mueller

Semester Units: 4

Schedule: M/W 12:15-1:20 pm Final Exam: Week 12/11-12/15

Office: Culbertson Hall #210

Email address: kendraoakesmueller@pointloma.edu

Office hours: By appointment

PLNU Mission Statement

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is molded and formed, and service becomes an expression of faith. Being of Wesleyan heritage, we aspire to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

Course Description

This course is a study of the anatomical and physiological bases of mental events and behavior. Since psychology is the result of biology, and behavior and cognition are the results of biological processes, by studying biological processes we are able to have a better understanding of the psychological phenomena produced. We begin with an introduction to the biological system most relevant to psychology, the nervous system. Using this knowledge we will explore several psychological phenomena, such as vision, movement, sleep, emotion, language, memory in terms of the underlying biology.

Program Learning Outcomes

1. Identify basic tenants of psychology

Course Learning Outcomes

1. Recognize, identify and explain fundamental principles and theories related to field of biological psychology
2. Identify implications of the course material for understanding oneself and others from a functional perspective

3. Locate and summarize professional journal articles related to the field of biological psychology
4. Demonstrate skill in oral presentation of a bio psych topic
5. Write a paper in the field of biological psychology

Textbooks

1. Kalat, J. W. (2015). *Biological psychology* (13th ed.). Belmont, CA: Wadsworth.
2. Sacks, O. (1995). *An anthropologist on mars: Seven paradoxical tales*. New York: Random House, Inc.

Course Credit Hour Information

In the interest of providing sufficient time to accomplish the stated Course Learning Outcomes, this class meets the PLNU credit hour policy for a 4 unit class delivered over 15 weeks. It is anticipated that students will spend a minimum of 37.5 participation hours per credit hour on their coursework. For this course, students will spend an estimated 150 total hours meeting the course learning outcomes. The time estimations are provided in the Canvas modules.

Attendance

Regular and punctual attendance at all class sessions is considered essential to optimum academic achievement. If the student is absent for more than 10 percent of class sessions, the faculty member will issue a written warning of de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university withdrawal date or, after that date, receive an "F" grade.

Grading

 A minimum of 50% is needed to pass the course. The final grade will be computed on the following basis:

1. 40% Exams (5) (lowest exam grade will be dropped)
2. 10% Attendance and participation (lowest 3 scores will be dropped)
3. 20% Lecture response questions (lowest 3 scores will be dropped)
4. 5% Online quizzes
5. 10% Discussion/questions (Anthropologist on Mars)
6. 10% Research Project
7. 5% Final Exam (open book, open note)

Point Loma Nazarene University: Psychology Department, Academic Guides

DEPARTMENT FACULTY NORMAL CURVE GUIDES

Z Score   Percentage Score

A	1.33	A =	93-100%	Total points
A-	1	A -	90-92%	
B+	0.67	B +	87-89%	
B	0.33	B	83-86%	
B-	0	B -	80-82%	
C+	-0.33	C +	77-79%	
C	-1	C	73-76%	
C-	-1.33	C -	70-72%	
D+	-1.67	D +	67-69%	
D	-2	D	63-66%	
D-	-2.33	D -	60-62%	
F	<-2.33	F	59%	or below

Test Policies

If a student cannot take a test due to any circumstances the student needs to notify the professor prior to the examination (in person or by phone/email). Any missed exam will result in a **5% deduction** taken from the final grade of that exam (whether taken early or late).

Assignments

Lecture Response Questions

For each class period, you will have lecture content to view prior to class. With the links to the videos for the lecture content are response questions for you to answer. Some of the questions are listed in the assignment, while others are embedded within the videos themselves. You will be graded on a) whether you answered/addressed all of the questions asked, and b) level of effort/engagement displayed in your responses.

Online quizzes

You will be given an online quiz for each chapter of the book which will be comprised of 5 questions pulled from a test bank. You can take the quizzes as many times as you would like, but each time the questions will be pulled randomly from the test bank. You highest score on a quiz will be kept as your final score.

An Anthropologist on Mars Discussion

For these assignments you will be assigned a chapter (case study) to read in Oliver Sacks, *An Anthropologist on Mars*. When you get to synchronous class time, you will be broken up into groups to complete a series of questions based on the case studies. You will submit your group's responses to the questions on canvas for grading.

Research Project

Students will pick a disorder to research and will create a video presentation. The video should contain information regarding: 1) the prevalence of the disorder, 2) the disorders clinical signs and symptoms (e.g., diagnostic symptoms and typical age of onset), 3) underlying pathology of the disorder (specifying what underlying neurologic issue is causing the disorder and how that fits into the developmental period), 4) describe the typical neuropsychological (cognitive) deficit(s) associated with the disorder, 5) potential treatments and 6) reference list.. The presentation should take 10 minutes.

The presentation must include:

- A minimum of FOUR references in APA format
    - o TWO must be ORIGINAL papers from PubMed or PsychInfo (reviews OK, not just the abstracts!)
    - o Appropriate sources may also include PsychInfo or PubMed (preferred!), government websites (.gov), or documents published by universities.
        - ▪ Newspaper articles, Wikipedia, about.com, or other websites that are not primary sources are not appropriate for this paper.
        - ▪ Ask me if you are unsure.
    - o You may use your textbook, but it does NOT count as one of the four references
    - o References should be used in a meaningful way, not just used to meet the minimum requirements of the assignment

Research Presentation Grading:

- Accuracy of Information (10 pts)
- Creativity/Originality of Presentation (10 pts)
- Clarity, organization, and communication skills of presentation (including quality of sources) (10 pts)

Late Policy

Any missed or late assignments will result in a **5% deduction** taken from the final grade of that exam or assignment. These deductions occur one time for each exam or assignment and are not cumulative by length of time. All late or missed work must be turned in by the last week of class (**Friday by 11:59pm**), prior to final exams to receive credit.

State Authorization

State authorization is a formal determination by a state that Point Loma Nazarene University is approved to conduct activities regulated by that state. In certain states outside California, Point Loma Nazarene University is not authorized to enroll online (distance education) students. If a student moves to another state after admission to the program and/or enrollment in an online course, continuation within the program and/or course will depend on whether Point Loma Nazarene University is authorized to offer distance education courses in that state. It is the student's responsibility to notify the institution of any change in his or her physical location. Refer to the map on State Authorization to view which states allow online (distance education) outside of California.

Use of Technology

In order to be successful in the online environment, you'll need to meet the minimum technology and system requirements; please refer to the *Technology and System Requirements* information. Additionally, students are required to have headphone speakers compatible with their computer available to use. If a student is in need of technological resources please contact student-tech-request@pointloma.edu.

Problems with technology do not relieve you of the responsibility of participating, turning in your assignments, or completing your class work.

Academic Accommodations

PLNU is committed to providing equal opportunity for participation in all its programs, services, and activities. Students with disabilities may request course-related accommodations by contacting the Educational Access Center (EAC), located in the Bond Academic Center (EAC@pointloma.edu or 619-849-2486). Once a student's eligibility for an accommodation has been determined, the EAC will issue an academic accommodation plan ("AP") to all faculty who teach courses in which the student is enrolled each semester.

PLNU highly recommends that students speak with their professors during the first two weeks of each semester/term about the implementation of their AP in that particular course and/or if they do not wish to utilize some or all of the elements of their AP in that course.

Students who need accommodations for a disability should contact the EAC as early as possible (i.e., ideally before the beginning of the semester) to assure appropriate accommodations can be provided. It is the student's responsibility to make the first contact with the EAC.

Academic Honesty

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. Academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort. A faculty member who believes a situation involving academic dishonesty has been

detected may assign a failing grade for that assignment or examination, or, depending on the seriousness of the offense, for the course. Faculty should follow and students may appeal using the procedure in the university Catalog. See [Academic Policies](#) for definitions of kinds of academic dishonesty and for further policy information.

Copyright Policy

Point Loma Nazarene University, as a non-profit educational institution, is entitled by law to use materials protected by the US Copyright Act for classroom education. Any use of those materials outside the class may violate the law.

FERPA Policy

In compliance with federal law, neither PLNU student ID nor social security number should be used in publically posted grades or returned sets of assignments without student written permission. This class will meet the federal requirements by (each faculty member choose one strategy to use: distributing all grades and papers individually; requesting and filing written student permission; or assigning each student a unique class ID number not identifiable on the alphabetic roster.). Also in compliance with FERPA, you will be the only person given information about your progress in this class unless you have designated others to receive it in the "Information Release" section of the student portal. See [Policy Statements](#) in the undergrad student catalog.

Final Exam

Successful completion of this class requires taking the final examination on its scheduled day. The final examination schedule is posted on the [Class Schedules](#) site. If you find yourself scheduled for three (3) or more final examinations on the same day, you are authorized to contact each professor to arrange a different time for <u>one</u> of those exams. However, unless you have three (3) or more exams on the same day, no requests for alternative final examinations will be granted.

Course Schedule

This syllabus is not a contract. It is designed to help you organize your study and meet the requirements of the course. Professor reserves the right to make changes from time to time.

Language and Belonging

Point Loma Nazarene University faculty are committed to helping create a safe and hospitable learning environment for all students. As Christian scholars we are keenly aware of the power of language and believe in treating others with dignity. As such, it is important that our language be equitable, inclusive, and prejudice free. Inclusive/Bias-free language is the standard outlined by all major academic style guides, including MLA, APA, and Chicago, and it is the expected norm in university-level work. Good writing and speaking do not use unsubstantiated or irrelevant generalizations about personal qualities such as age, disability, economic class, ethnicity, marital

status, parentage, political or religious beliefs, race, gender, sex, or sexual orientation. Inclusive language also avoids using stereotypes or terminology that demeans persons or groups based on age, disability, class, ethnicity, gender, race, language, or national origin. Respectful use of language is particularly important when referring to those outside of the religious and lifestyle commitments of those in the PLNU community. By working toward precision and clarity of language, we mark ourselves as serious and respectful scholars, and we model the Christ-like quality of hospitality.

You may report an incident(s) using the [Bias Incident Reporting Form](#).

Sexual Misconduct and Discrimination

In support of a safe learning environment, if you (or someone you know) have experienced any form of sexual discrimination or misconduct, including sexual assault, dating or domestic violence, or stalking, know that accommodations and resources are available through the Title IX Office at [pointloma.edu/Title-IX](#). Please be aware that under Title IX of the Education Amendments of 1972, faculty and staff are required to disclose information about such misconduct to the Title IX Office.

If you wish to speak to a confidential employee who does not have this reporting responsibility, you can contact Counseling Services at [counselingservices@pointloma.edu](#) or find a list of campus pastors at [pointloma.edu/title-ix](#).

Spiritual Care

Please be aware PLNU strives to be a place where you grow as whole persons. To this end, we provide resources for our students to encounter God and grow in their Christian faith. If students have questions, a desire to meet with the chaplain or have prayer requests you can contact your professor or the [Office of Spiritual Life and Formation](#).

Artificial Intelligence (AI) Policy

You are allowed to use Artificial Intelligence (AI) tools (e.g, ChatGPT, iA Writer, Marmot, Botowski) to generate ideas, but you are not allowed to use AI tools to generate content (text, video, audio, images) that will end up in any work submitted to be graded for this course. If you have any doubts about using AI, please gain permission from the instructor.