

SYLLABUS
PSY 301: Physiological and Neuropsychology
Fall 2018

Faculty: Dr. Julie Hayden, Psy.D.
Semester Units: 4
Schedule: M/W/F 12:15pm-1:10pm
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Office Hours: By appointment
Final Exam: Wednesday, December 12 10:30am

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.

PLNU Mission

To Teach ~ To Shape ~ To Send

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

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

Program Learning Outcomes

1. Identify basic tenants of psychology

Textbooks

1. Kalat, J. W. (2015). *Biological psychology* (12th ed.). Belmont, CA: Wadsworth.
2. Sacks, O. (1995). *An anthropologist on mars: Seven paradoxical tales*. New York: Random House, Inc.
3. Other material on canvas

Attendance

Regular class attendance and participation are considered minimal requirements to be met. There are no allowed or excused absences except when absences are necessitated by certain university-sponsored activities and are approved by the Provost. Students involved in these activities, should notify the professor during the first week of classes to develop an appropriate plan for the semester.

Current PLNU catalogue states “Whenever the number of accumulated absences in class, for any cause exceeds 2 weeks (**6 sessions (MWF)**), the faculty member is to notify the Associate Provost for Academic Administration, which may result in de-enrollment”.

Grading

A minimum of 50% is needed to pass the course.

The final grade will be computed on the following basis:

1. 45% Exams (5) (lowest exam grade will be dropped)
2. 10% Paper
3. 5% In class exercises
4. 15% Homework/Canvas assignments
5. 5% Online quizzes
6. 10% Reading responses/Discussion (Anthropologist on Mars)
7. 10% Final Exam (open book)

PLNU: PSYCHOLOGY DEPARTMENT FACULTY NORMAL CURVE GUIDES

Z Score	
A	1.33
A-	1
B+	0.67
B	0.33
B-	0
C+	-0.33
C	-1
C-	-1.33
D+	-1.67
D	-2
D-	-2.33
F	<-2.33

Percentage Score		
		Total points
A =	93-100%	
A -	90-92%	
B +	88-89%	
B	84-87%	
B -	80-83%	
C +	77-79%	
C	70-76%	
C -	65-69%	
D +	62-64%	
D	55-61%	
D -	50-54%	
F	49%	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

Online quizzes

The purpose of the quizzes is to improve your ability to identify diagnostic criteria, theoretical explanations and treatments for mental disorders. 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. Your highest score on a quiz will be kept as your final score.

Course Paper

Students will choose a particular disorder and develop a paper over the semester. This paper should identify the structural changes associated with the disease (anatomy), describe the functional or physiological attributes, and then address the behavioral/cognitive processes that are compromised.

The length of the paper should be between **7-9 pages** (*excluding the title page and reference section*). The paper should be in a summary or research format and should include a title page and reference section (APA style). This does not mean that quotes are used exclusively, but rather quotes should be utilized sparingly and only to accent the points of your paper. Papers should be completed in *Times New Roman 12 pt. font* and *1 inch margins*. Paper should be turned in using your *ID #* as an identifier instead of your name. Your paper should include a *minimum of 7 references* and should come from a *variety of sources* (e.g., internet, professional articles, etc)

Introduction (approximately 1 page)

This section of the paper includes two major components. First, the general topic is introduced to the reader. When introduced the importance of the general topic should be explained. Second, the research question of the paper should be phrased.

Body (approximately 6-8 pages)

In this section you should spend time telling the story of the disorder through the lens of structural changes (e.g., what specific differences do we see in brain anatomy with this disorder), functional or physiological attributes (e.g., what specific differences do we see with respect to NT, hormones, resting potential/action potential with this disorder), and behavioral/cognitive processes (e.g., what specific differences do we see with respect to an individual's behaviors, thought processes or ability to perform cognitive tasks) that are compromised.

Conclusion (approximately one page)

In this section the student makes their own conclusions based on their analysis and critique of the information that has been reviewed. It is appropriate for the student to suggest future research or implications based on the research provided in the paper.

Papers will be graded based on the following areas: a) length, b) APA style, c) references (e.g., # and variety), d) Font and layout, e) ID as identifier, f) research/summary format, g) quotes vs. paraphrasing, h) Introduction, i) Body – structural changes, functional or physiological attributes, and behavioral/cognitive processes, j) conclusions, k) organization.

Classroom Activities and On-Line Lectures

At various times throughout the semester students will be asked to engage in classroom activities. The goal of these activities is to: a) help solidify the material, b) give practice at practical application of the material and c) review. These activities will count towards your grade in this course (as noted in the grades section above). The points received for these activities will only be given during classroom time, and will not be available for make-up opportunities. The exception to this policy is university sponsored excused absences.

At some point in the semester, you may be asked to work through a lecture on-line. Powerpoints with voice-overs will be available on canvas for you to listen to and take notes upon. After you have completed the lecture, you will be asked to respond to questions pertaining to the material covered in canvas. These will

take the place of attending class on particular days. Specific notice will be given to students of these dates when they are known to the professor.

Canvas Assignments

To meet the credit hour for direct instruction, canvas assignments have been added to the course. The hourly equivalency is 3 hours. Throughout the semester students will be asked to engage homework activities (e.g., videos to watch and respond to prior to attending class). The goal of these activities is similar to in class exercises to: a) introduce material, b) further solidify your understanding of the material and/or c) review. These activities will count towards your grade in this course (as noted in the grades section above).

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 12:00pm**), prior to final exams to receive credit.

Academic Accommodations

All students are expected to meet the minimum standards for this course as set by the instructor. Students with learning disabilities who may need accommodations should first discuss options and services available to them in the Academic Support Center (ASC) during the first two weeks of the semester. The ASC, in turn, will contact professors with official notification and suggested classroom accommodations, as required by federal law. Approved documentation must be provided by the student and placed on file in the ASC prior to the beginning of the semester.

Academic Dishonesty

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. As stated in the university catalog, “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. Such acts include plagiarism, copying of class assignments, and copying or other fraudulent behavior on examinations. A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for a) that particular assignment or examination, and/or b) the course.” See [Academic Policies](#) in the undergrad student catalog.

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.

Course Schedule

Professor reserves the right to modify the course schedule throughout the semester. Schedule changes will be noted in class and posted on canvas.

Final Examination Policy

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. No requests for early examinations or alternative days will be approved.

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.