

Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.

COURSE SYLLABUS

PSYC 380

PHYSIOLOGICAL PSYCHOLOGY

COURSE DESCRIPTION

This course is designed to investigate the most recent findings in the area of physiological psychology. Topics of study will concern basic information about the nervous system, sensory systems, physiological bases of behaviors and the development of learning and memory.

RATIONALE

This course is intended to introduce the student to the scientific discipline of psychophysiology, the study of the brain, physiological processes, psychopharmacology, and behavior.

I. PREREQUISITE

For information regarding prerequisites for this course, please refer to the [Academic Course Catalog](#).

II. REQUIRED RESOURCE PURCHASE

Click on the following link to view the required resource(s) for the term in which you are registered: <http://bookstore.mbsdirect.net/liberty.htm>

III. ADDITIONAL MATERIALS FOR LEARNING

- A. Computer with basic audio/video output equipment
- B. Internet access (broadband recommended)
- C. Microsoft Word
(Microsoft Office is available at a special discount to Liberty University students.)

IV. MEASURABLE LEARNING OUTCOMES

Upon successful completion of this course, the student will be able to:

- A. Apply fundamental research skills per current APA style and formatting.
- B. Apply the ethical principles that guide research in the area of neuropsychology.
- C. Explain the physiological dynamics influencing the major mental health disorders.
- D. Describe the research techniques most often used in neuropsychological research.
- E. Identify the parts of the central nervous system and their functioning.
- F. Explain the neuron and its purpose within the nervous system.
- G. Compare the biblical view of the creation of man to the evolutionary view.
- H. Discuss how the sensory and motor neurons work together to facilitate functionality for the human being.
- I. Identify the major parts of the brain and their purposes.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

- A. Textbook readings and lecture presentations/websites
- B. Course Requirements Checklist
 After reading the Syllabus and [Student Expectations](#), the student will complete the related checklist found in Module/Week 1.
- C. Discussion Board Forums (4)
 There will be 4 Discussion Board Forums throughout this course. The purpose of the Discussion Board Forums is to generate interaction among students in regard to relevant and current course topics. The student is required to submit 1 thread of at least 250 words, and then to submit replies of at least 100 words each to the threads of 2 classmates. For each thread, the student must support his or her assertions with at least 2 citations in current APA format.
- D. Research Paper
 The Research Paper is the capstone assignment for this course and is to be a written representative of the research conducted on the psychophysiological aspects of an issue chosen from the textbook. Using the services of [Liberty University's Online Library](#), the student will select and read at least 5 recent journal articles on the chosen issue. The student will then summarize his or her findings in an 8–10-page paper, written in current APA style, and submitted through SafeAssign. This assignment will be submitted in 2 parts: the Title Page, Abstract, and References, and the completed Research Paper.
- E. Exams (4)
 The student will complete 4 exams throughout this course. Each exam is open-book/open-notes, has 40 multiple-choice questions, and has the time limit of 1 hour and 30 minutes. The student may take each exam up to 3 times, and only the highest grade of the 3 attempts will be recorded.

VI. COURSE GRADING AND POLICIES

A. Points	
Course Requirements Checklist	10
Discussion Board Forums (4 at 50 pts ea)	200
Research Paper	
Title Page, Abstract, References	50
Research Paper	250
Exams (4 at 125 pts ea)	500
	Total 1010

- B. Scale
 A = 900–1010 B = 800–899 C = 700–799 D = 600–699 F = 0–599
- C. Disability Assistance

Students with a documented disability may contact Liberty University Online’s Office of Disability Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements

for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.

COURSE SCHEDULE

PSYC 380

Textbook: Carlson, *Foundations of Behavioral Neuroscience* (2014).

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Carlson: chs. 1–2 2 presentations 1 website	Course Requirements Checklist Class Introductions DB Forum 1	10 0 50
2	Carlson: chs. 3–4 3 presentations 1 website	Exam 1	125
3	Carlson: ch. 5 1 presentation	DB Forum 2 Research Paper: Title Page, Abstract, and References	50 50
4	Carlson: chs. 8–9	Exam 2	125
5	Carlson: ch. 10 1 presentation 3 websites	DB Forum 3	50
6	Carlson: chs. 12–13	Exam 3	125
7	Carlson: ch. 14 1 presentation	DB Forum 4 Research Paper	50 250
8	Carlson: chs. 15–16 2 presentations	Exam 4	125
TOTAL			1010

DB = Discussion Board

NOTE: Each course week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final week ends at 11:59 p.m. (ET) on Friday.