

PSYCH 300. Physiological Psychology

Mondays & Thursdays, 4:10-5:25PM, W117

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Professor, Department of Psychology

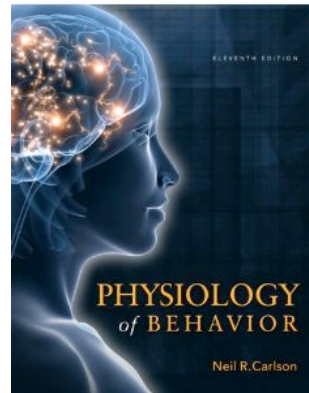
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Required Text: ***Physiology of Behavior, 11th Edition***

by Neil Carlson, Pearson, 2012

ISBN # 0205239390



This course will introduce you to field of Physiological Psychology. We will cover a wide range of topics, including the elementary workings of neurons and the anatomy of the human nervous system, sensory and motor systems, the brain structures and systems that underlie motivation, emotion, learning and memory and higher cognitive functions, and the neurobiology of mental illness and drug abuse.

Prerequisites: The prerequisite for this course is PSYCH 250. **If you do not have this prerequisite you must drop this class. Failure to do so may result in cancellation of financial aid and you being dropped from this course.**

Grading policy: Grading will consist of 5 in-class exams, 1 term paper, and one final exam. **The lowest score on the 5 in-class exams will be dropped when calculating your final grade.** The in-class exams will each consist of a combination of multiple choice, matching, and/or short-answer questions. Exam material will come from both the text and lecture, but *lecture material will be always be emphasized!* The final exam will consist of multiple choice questions *and will be cumulative.* **All exams are closed book and you may not use any notes, dictionaries, or translating devices. No electronic devices may be on during exams (including laptops, cell phones, iPads or other tablets, etc.).** NOTE: All supplemental materials and class announcements will be posted on Blackboard: <http://bb.hunter.cuny.edu>.

Term paper: The term paper will give you an opportunity to write a “mini review” about a topic that we have covered in the course. The paper should be no more than 10 pages long, double-spaced, *excluding references and the cover page.* References may be drawn from a combination of primary references and review papers. All papers must be written in APA style. I will pass out detailed instructions just after Spring Break, and the term paper will be due on Friday May 16th by 5pm. **All papers must be submitted to Turnitin (instructions to follow).**

Make-up exams: **You will not be able to make up exams.** If you miss an in-class exam, that exam will be the exam that is dropped from the calculation of your final grade. If you miss the final exam, you will receive a zero for that exam.

Office hours: **My office hours are by appointment.** If you are contacting me by email, please be sure to include “Physiological Psychology” in the subject heading.

Final grades: Final grades will be determined as followed:

Letter Grade	%	Letter Grade	%
A+	97.5 - 100.0	B-	80.0 - 82.4
A	92.5 - 97.4	C+	77.5 - 79.9
A-	90.0 - 92.4	C	70.0 - 77.4
B+	87.5 - 89.9	D	60.0 - 69.9
B	82.5 - 87.4	F	0.0 - 59.9

Important note regarding academic integrity:

Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures

From the Office of AccessABILITY:

In compliance with the American Disability Act of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical and/ or Learning) consult the Office of AccessABILITY located in Room E1124 to secure necessary academic accommodations. For further information and assistance please call (212- 772- 4857)/TTY (212- 650- 3230

The following is a list of tentative topics and the dates on which I plan to cover them. This schedule is subject to change, so please pay attention to any announcements made in class or on Blackboard.

<u>DATE</u>	<u>TOPIC</u>	<u>READING</u>
1/27/2014	Introduction to Course: A Historical Perspective	Chapter 1
<u>BASICS OF NEUROSCIENCE: HOW DOES THE BRAIN WORK?</u>		
1/30/2014	Structure & Function of Neurons: Neurophysiology	Chapter 2
2/3/2014	Structure & Function of the Nervous System: Neuroanatomy	Chapter 3
2/6/2014	Neurotransmitter Systems: Neuropharmacology	Chapter 4
2/10/2014	EXAM #1	
<u>SENSORY & MOTOR SYSTEMS: HOW DOES IT ALL GET IN & OUT?</u>		
2/13/2014	Sensory Systems: Visual, Auditory, Somatosensory Systems	Chapters 6 & 7

2/17/2014	President's Day – <i>No class</i>	
2/20/2014	Motor Systems	Chapter 8
2/24/2014	In-class Movie: “Brain Transplant”	
2/27/2014	EXAM #2	

MOTIVATIONAL SYSTEMS: WHAT DRIVES US TO DO THINGS?

3/3/2014	Motivation I: Sleep & Arousal	Chapter 9
3/6/2014	Motivation II: Sexual & Reproductive Behavior	Chapter 10
3/10/2014	In-class Movie: “Sex: Unknown”	
3/13/2014	Motivation III: Drinking, Eating, & Body Weight Regulation	Chapter 12
3/17/2014	EXAM #3	

MEMORY, COGNITION & EMOTION: WHY ARE WE WHO WE ARE?

3/20/2014	Learning & Memory I: Associative Learning Systems & Basic Cellular Processes	Chapter 13
3/24/2014	Learning & Memory II: Declarative Memory Systems	Chapter 13
3/27/2014	In-class Movie: “The Forgetting”	
3/31/2014	Emotion I: Historical Perspective & The Fear System	Chapter 11
4/3/2014	Emotion II: Fear Extinction & Reconsolidation	
4/7/2014	Emotion III: The Human Fear System	
4/10/2014	Emotion IV: Emotion Regulation, Cognition/Emotion Interactions	
4/14-22/2014	Spring Recess – <i>No classes</i>	
4/24/2014	EXAM #4	

CLINICAL DISORDERS: HOW CAN IT ALL GO WRONG?

4/28/2014	Clinical Disorders I: Stress	Chapter 17
5/1/2014	Clinical Disorders II: Anxiety	Chapter 17
5/5/2014	In class movie “Stress: Portrait of a Killer	
5/8/2014	Clinical Disorders III: Depression & Schizophrenia	Chapter 16

5/12/2014	Clinical Disorders IV: Drug Abuse & Addiction	Chapter 18
5/15/2014	EXAM #5	
5/16/2014	TERM PAPER DUE	
5/21/2014	FINAL EXAM 3-5pm W117	