Psych 22400 (Section 02): Neuroscience

General Information

- **Instructor:** Stefan D. Schlussman, Ph.D.
  - **Office:** HN 602B
  - **e-mail:** sschluss@hunter.cuny.edu
    - emails will be answered within 2 working days
- **Class Meets Monday/Thursday 4:00 – 5:15 PM**
  - **HW 714**.

- **Text: Physiology of Behavior, 13th edition.** By Neil R. Carlson and Melissa A. Birkett
  - The lectures are based on this textbook, but if there are discrepancies, lecture material will supersede the textbook!

- **Office Hours:** Monday and Thursday, 12:00-12:30 **and by appointment**
  - Feel free to stop into office hours even to chat; I am going to be there whether there are questions or not.

- **Communication**
  - The best way to contact me (outside of class or office hours) is through email (sschluss@hunter.cuny.edu).
    - In the subject line include "**PSYCH 22400 section 02**"
    - I will respond within two business days
  - I will communicate with the class as a whole via email through Blackboard.
  - Please make sure that your *Correct* email address is in Blackboard.
    - Blackboard only accepts official Hunter College email addresses!!

- **Class Materials**
  - Lecture slides and links to required videos will be posted on Blackboard under "Course Material".

- **Course Overview.** The aim of this course is to introduce you to the biological and physiological aspect of the science of Psychology. Biopsychology is the subarea of Psychology that takes a biological approach to understanding behavior. Biopsychologists study the biological events - genetic, neural, endocrine - that underlie each and every one of our thoughts, feelings, and actions. This course will explore what is currently known about the biological basis of emotional responses, mental illness, sexual behavior, memory, states of consciousness, sensory perception, thought and language, and several neurological disorders.

- **Departmental Learning Outcomes: Following completion of this course, the student will be able to:**

1. Demonstrate a basic understanding of the central nervous system and its role in producing behavior.
2. Describe the methods used to collect information about the nervous system.
3. Demonstrate improved abilities to use the language of biopsychology in reading, speaking and writing about biopsychology.

- **Attendance:** Attendance is strongly recommended.
  - Lecture material and textbook readings will overlap but they are not identical.
    - Lecture material supersedes material in writings and videos!
  - Issues raised during class discussion are fair game for the exams!
  - *While attendance is not part of your grade, participation is.* **You cannot participate if you do not attend.** Attendance does not equal participation.
    - *"Participation" will be determined by classroom interaction.*

- **Exams:** There will be three exams given over the course of the semester and an optional comprehensive final. Each exam will consist of a random selection of 50 multiple-choice questions on topics covered in the ***lectures, readings and videos***!
  - **Exams will be given in-person.** If you are late for the exam, extra time will not be provided.
  - There will be an *optional* comprehensive final exam
    - If you take the final, your lowest exam grade will be dropped
  - ***Make up exams will not be given!!!!***

- **Presentations (Extra Credit 25 pts):**
  1. Each student may give a 10-15 minute presentation on any topic (approved by the instructor) relevant to the course material.
     - Only one presentation on a given topic will be allowed.
     - Presentation topics will be approved in the order of submission
  2. You may work in groups of two (*requires a 15-20 minute presentation*) or three (*requires a 30 minute presentation*).
  3. **Be creative, be original, have fun**!
     a. Presentations do not have to be in PowerPoint!
     b. Presentations will be submitted on Blackboard as a VoiceThread.
  4. Topics are due by 4/18.
  5. Presentations that are not approved will not be permitted.

- **Final Grade:** The final grade will be based on 3 exams each worth 100 points, reflections worth 60 points and class participation worth 40 points for a total of 400 possible points. *The final exam is optional.*
  - ***If you take the final exam your lowest exam score will be dropped when calculating your final grade.***

- *NOTE: "Participation" is worth 10 points toward your final grade. If you do not attend class, you cannot participate!!*

- **Final Grade Calculation:**

	Points		
Exams	***300***		
Participation	***50***		
Total	***350***		
Grade	**Percent**	**Grade**	**Percent**
A+	100-97.5	**C+**	79.9-77.5
A	97.4-92.5	**C**	77.4-70.0
A-	92.4-90.0	**D**	69.9-60.0
B+	89.9-87.5	**F**	**≤ 59.9**
B	87.4-82.5		
B-	82.4-80.0		

Hunter College Policies:

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)*

Sexual Misconduct
In compliance with the CUNY Policy on Sexual Misconduct, Hunter College reaffirms the prohibition of any sexual misconduct, which includes sexual violence, sexual harassment, and gender-based harassment retaliation against students, employees, or visitors, as well as certain intimate relationships. Students who have experienced any form of sexual violence on or off campus (including CUNY-sponsored trips and events) are entitled to the rights outlined in the Bill of Rights for Hunter College. a. Sexual Violence: Students are strongly encouraged to immediately report the incident by calling 911, contacting NYPD Special Victims Division Hotline (646-610-7272) or their local police precinct, or contacting the College's Public Safety Office (212-772-4444). b. All Other Forms of Sexual Misconduct: Students are also encouraged to contact the College's Title IX Campus Coordinator, Dean John Rose (jtrose@hunter.cuny.edu or 212-650-3262) or Colleen Barry (colleen.barry@hunter.cuny.edu or 212-772-4534) and seek complimentary services through the Counseling and Wellness Services Office, Hunter East 1123. CUNY Policy on Sexual Misconduct http://www.hunter.cuny.edu/diversityandcompliance/repository/files/cuny-policy-on-sexual-misconduct.pdf

Course Schedule

The following schedule is subject to change

Date	Module	Topic	Chapter	Assignment Due
Th, 1/25	1. Introduction	Introduction	1	
M, 1/29	2. Neuroanatomy	Structure of the Nervous System	3	
Th, 2/1		Structure of the Nervous System	3	
M, 2/5		Neurons 1	2	
Th, 2/8		Neurons 2	2	
M, 2/12		No Class		
TH, 2/15	3. Cellular communication and Pharmacology	Psychopharmacology	5	
M, 2/19		No Class		
Th, 2/22		Neurotransmitters	4	
M, 2/28		Exam review		
W, 2/28	4. Systems Neurobiology	Visual System	6	

Th, 2/29		Exam 1 **(Modules 1-3)**		Chapters 1-5
M 3/4	4. Systems Neurobiology	Auditory System	7	
Th, 3/7		Motor Systems	8	
M, 3/11		Olfaction and Gustation	8	
Th, 3/14	5. States of Consciousness	Consciousness, Sleep, Arousal & Biological Rhythms	9	
M, 3/18		Exam Review		
Th, 3/21		Exam 2 **(Modules 4 & 5)**		Chapters 6-9
M, 3/25	6. Sexual Dimorphisms	Sex, Gender & Reproductive Behavior I	10	
Th, 3/28		Sex, Gender & Reproductive Behavior II	10	
M, 4/1	7. Homeostasis	Feeding, Body Weight Regulation, Thirst and Temperature	12	
Th, 4/4				
M, 4/8	8. Emotion	Emotion	11	
Th, 4/11	9. Learning & Memory	Learning & Memory I	13	
TH 4/18		Learning & Memory II	13	Presentation topic due
M, 4/22	SPRING BREAK			
Th, 4/25				
M, 4/29				
Th, 5/2	10. Presentations	Presentations		
M, 5/6		Presentations		
Th, 5/9		**Exam Review**		
M, 5/13		**Exam 3** Modules 6-10		Chapters 10-13
5/22	**Final Exam**			3:00-5:00