NEURL GA-2205: Behavioral & Cognitive Neuroscience
PSYCH GA-2221: Cognitive Neuroscience

Time and Place:

Lectures:	Mondays and Wednesdays 9:15 am - 10:50 am 815 Meyer Attendance is mandatory; email me to request excused absence.

Instructor:	Lila Davachi, Ph.D.
Office:	871A Meyer
Phone:	212 992-9612
Email:	lila.davachi@nyu.edu
Office Hours:	Mondays 11:00am – 12:00pm

Reader: The required readings will be a combination of review articles and research papers. These will be made available by PDF download from class website on NYU Classes.

Course evaluation:

The course is designed to familiarize yourself with current knowledge and methods in some of the major areas in cognitive and behavioral neuroscience. Furthermore, the course is also designed to prepare you to professionally interact with the cognitive neuroscience community. Your evaluation will be based on the results of the midterm paper and final exam as well as on the oral presentation (see below).

Oral presentations: Each student will give a short presentation on one of the class topics. The presentations will be in the form of a conference presentation (15 minute), in which you will present the background and rationale, methods, results, and interpretation of a paper to the class. Afterwards, as a group we will critique the paper's merits. We will formalize the presentation schedule as the class proceeds. *20% of grade.*

Mid-term paper: You will be required to research and write up a paper (on a brain area of your choice. The paper should present the structure and function of that brain area highlighting the synaptic organization, physiological properties and function. Late papers will be penalized. *40% of grade. (paper is due March 30th in my mail box on the 8th floor)*

Final exam: A final exam will be administered in class that will cover material from each lecture and reading. Question will primarily be multiple choice *30% of grade*

Participation: You will be responsible for reading the assigned papers, attending all lectures and student presentations, and turning in occasional assignments on time. *10% of grade.*

Lecture Schedule

Date	***Topic***	***Lecturer***
28-Jan	Intro to Class	Davachi
2-Feb	Working Memory	Ma
4-Feb	Working Memory	Ma
9-Feb	Imaging the living human brain	Winawer
11-Feb	Visual recognition and the ventral visual stream	Winawer
16-Feb	***No class***	
18-Feb	Neurophysiology of Memory	Suzuki
23-Feb	Neurophysiology of Memory	Suzuki
25-Feb	Cellular and Molecular Mechanisms of Memory	Fenton
2-Mar	Cellular and Molecular Mechanisms of Memory	Fenton
4-Mar	Human Memory	Davachi
9-Mar	Human Memory	Davachi
11-Mar	Student Presentations	
16-Mar	***No class***	
18-Mar	***No class***	
23-Mar	Attention	Heeger
25-Mar	Attention	Heeger
30-Mar	Animal Emotion	LeDoux
1-Apr	Human Emotion	Phelps
6-Apr	Learning and Reward 1	Daw
8-Apr	Learning and Reward 2	Daw
13-Apr	Decision Making 1	Kiani
15-Apr	Decision Making 2	Pesaran
20-Apr	Cognitive Control 1	Kuhl
22-Apr	Cognitive Control 2	Kuhl
27-Apr	Language	Poeppel
29-Apr	*TBD*	
4-May	Student Presentations	
6-May	Student Presentations	
11-May	***Final Exam***	