

NEURL GA-2205: Behavioral & Cognitive Neuroscience

PSYCH GA-2221: Cognitive Neuroscience

Time and Place:

Lectures: Mondays and Wednesdays
9:00 am - 10:50 am
760 Meyer
Attendance is mandatory; email me to request excused absence.

Instructor: Clayton Curtis, Ph.D.
Office: 863 Meyer
Phone: 998-3730
Email: clayton.curtis@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 not only familiarize yourself with major cognitive and behavioral neuroscience research and theory, but to prepare you to professionally interact with the cognitive neuroscience community and think critically about research. Three 'mock' endeavors are emphasized in the class and form the basis for evaluation. You will give an oral communication of research results, write a proposal for a research grant, and evaluate other's research proposals.

Oral presentations: Each of you will do 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.*

Final paper: Your final paper will be in the form of a grant proposal, as if you were applying for a postdoctoral research fellowship (i.e., NRSA) to do research in some area of cognitive neuroscience. Late papers will be penalized. *50% of*

grade.

Grant panel: You will serve on a grant panel where you will read and critique other student NRSAs. The critiques will be written and discussed in a mock study section. *20% of grade.*

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

Lecture Schedule

Date	Topic	Lecturer
1/22/18	Neuroanatomy Final	No Class
1/24/18	Introduction	Curtis
1/29/18	Neurophysiology of Memory 1	Suzuki
1/31/18	Neurophysiology of Memory 2	Suzuki
2/5/18	Cellular & Molecular Mechanisms of Memory 1	Fenton
2/7/18	Cellular & Molecular Mechanisms of Memory 2	Fenton
2/12/18	Human Memory 1	Hartley
2/14/18	Human Memory 2	Hartley
2/19/18	<i>Presidents Day</i>	<i>No Class</i>
2/21/18	Animal Emotion	LeDoux
2/26/18	Student Presentations	Curtis
2/28/18	Human Emotion	Phelps
3/5/18	Student Presentations	Curtis
3/7/18	NRSA preparation 1	Curtis
3/12/18	<i>Spring break</i>	<i>No Class</i>
3/14/18	<i>Spring break</i>	<i>No Class</i>

3/19/18	Decision Making 1	Louie
3/21/18	Decision Making 2	Louie
3/26/18	Decision Making 3	Pesaran
3/28/18	Student Presentations	Curtis
4/2/18	Learning and Reward 1	Gureckis
4/4/18	Learning and Reward 2	Gureckis
4/9/18	Attention 1	Heeger
4/11/18	Attention 2	Heeger
4/16/18	NRSA preparation 2 *	Curtis
4/18/18	Working Memory 1 *	Curtis
4/23/18	Working Memory 2	Curtis
4/25/18	Student Presentations	Curtis
4/30/18	Modeling WM/DM	Wang
4/30/18	NRSAs due at 5pm	
5/2/18	Student Presentations	Curtis
5/7/18	Study Section 1	Curtis
5/9/18	Study Section 2	Curtis

* Video lectures will be posted on Classes for students away at Neuroscience Retreat