

NEURL GA-2205: Behavioral & Cognitive Neuroscience

PSYCH GA-2221: Cognitive Neuroscience

Time and Place:

Lectures: Mondays and Wednesdays

9:00 am - 10:50 am

815 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 NRSA's. 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.*

Date	Day	Topic	Lecturer
1/23/17	Mon	Neuroanatomy Final	No Class
1/25/17	Wed	Cellular & Molecular Mechanisms of Memory 1	Fenton
1/30/17	Mon	Cellular & Molecular Mechanisms of Memory 2	Fenton
2/1/17	Wed	Introduction	Curtis
2/6/17	Mon	Neurophysiology of Memory 1	Suzuki
2/8/17	Wed	Neurophysiology of Memory 2	Suzuki
2/13/17	Mon	Human Memory 1	Davachi
2/15/17	Wed	Human Memory 2	Davachi
2/20/17	Mon	Presidents Day	No Class
2/22/17	Wed	Animal Emotion	LeDoux
2/27/17	Mon	Human Emotion	Phelps
3/1/17	Wed	Student Presentations	Curtis
3/6/17	Mon	Student Presentations	Curtis
3/8/17	Wed	NRSA preparation 1	Curtis
3/13/17	Mon	Spring break	No Class
3/15/17	Wed	Spring break	No Class
3/20/17	Mon	Decision Making 1	Kiani
3/22/17	Wed	Decision Making 2	Pesaran
3/27/17	Mon	Efficient Coding and Value	Louie
3/29/17	Wed	Student Presentations	Curtis
4/3/17	Mon	Learning and Reward 1	Gureckis
4/5/17	Wed	Learning and Reward 2	Gureckis
4/10/17	Mon	NRSA preparation 2	Curtis
4/12/17	Wed	Student Presentations	Curtis
4/17/17	Mon	Attention 1	Carrasco
4/19/17	Wed	Attention 2	Carrasco
4/24/17	Mon	Working Memory 1	Curtis
4/26/17	Wed	Working Memory 2	Curtis
5/1/17	Mon	Modeling WM/DM	Wang
5/3/17	Wed	Student Presentations	Curtis
5/8/17	Mon	Study Section 1	Curtis
5/10/17	Wed	Study Section 2	Curtis