

# Syllabus - Disorders of the Nervous System, Fall 2017

Fridays, 1:00 - 3:30 pm  
Smilow 601

## Course Directors

Margaret Rice  
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## Schedule

Attendance is mandatory. **Late arrival or absence without an excuse will result in a final grade demotion.**

Sept 8	Class Overview Aggression	Margaret Rice Dayu Lin
Sept 15	Animal Models and Developmental Disorders	Adam Mar Jess Shatkin
Sept 22	Addiction	Kenneth Carr
<b>Sept 29</b>	<b>News &amp; Views Presentations</b>	<b>Students</b>
Oct 6	Epilepsy	Helen Scharfman Amanda Yaun
Oct 13	Parkinson's Disease	Margaret Rice Alessandro DiRocco
Oct 20	Hearing Loss	Dan Sanes David Friedmann
Oct 27	Schizophrenia	Biyu He Don Goff
Nov 3	Alzheimer's Disease	Einar Sigurdsson Ralph Nixon
Nov 10	NO CLASS (SfN Meeting)	
Nov 17	Autism	Dick Tsien Helen Egger
Nov 24	NO CLASS (Thanksgiving break)	
<b>Dec 1</b>	<b>Mock Study Section</b>	<b>Students</b>
Dec 8	Monitoring and Manipulating Neural Circuits in Human Brain	Michael Long Alon Mogilner
<b>Dec 15</b>	<b>Proposal Presentations</b>	<b>Students</b>

## Assignments

There are 5 graded components: class participation, 2 written assignments, and 2 presentations. Each of these is intended to enhance skills that are fundamental to your professional goals.

### 1) Class participation

Public comments and questions are a mainstay of seminars and scientific meetings. You will be expected to participate in each class. At the very least, you should be prepared to ask at least 2 thoughtful questions during a lecture.

**(20% of grade)**

### 2) You will make a short (5 min, strictly timed) PowerPoint presentation to the class about the report you chose to write about in your 'News and Views' article.

The presentation occurs on **September 29** in class

**(20% of grade)**

### (3) Write a 'News and Views' article about a recent report (2016 or later) in a top-tier journal (e.g., *Science*, *Nature* and *Nature family*, *Cell*, or *Neuron*) that addresses a neural disorder.

Format:

**Word** document

3 pages, excluding references (use *J Neurosci* format)

double-spaced, 1" margins, 12 pt font Times Roman, 11 pt Arial

Due **October 6** by 5:00 pm (via email to course Directors)

**(20% of grade)**

### 4) Using the NIH NRSA proposal format, write an abbreviated proposal containing the following elements:

A single specific aim section (0.5 page)

Significance section (0.5-1 page)

Innovation section (0.25 page)

Approach section (1-1.5 page) [consider gender as a variable; rationale/rigor]

References (use *J Neurosci* format)

Format:

**Word** document, single-spaced

1" margins

12 pt font Times Roman, 11 pt Arial

Your topic should consider an underlying mechanism of a CNS disorder. The topic can be related to your dissertation research. You must obtain approval from the course directors before proceeding (this can be done via e-mail).

Full first draft due: **November 20** by 5:00 pm (via email to course Directors).

This version is not *graded*, but will be **peer-reviewed** by at least one course director and two class participants and these reviews will be delivered at a Mock Study Section on **Dec 1**.

### 5) You will make a 10 min PowerPoint presentation to the class about your Research proposal Presentation on **December 15**.

**(20% of grade)**

### 6) Final revised proposal due **December 20** at 5:00 pm (via email to course Directors).

**(20% of grade)**