

2016-17 Academic Year, Fall Semester

Neurobiology of Brain Disorders

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Prerequisites: Students must have taken/are currently taking Cellular and Molecular Neurobiology (V80.0210001) or an equivalent course. Exceptions will be determined by the instructor.

Schedule: All classes will be held in Room 8, Meyer Hall from 10:00-11:50.

Textbook: There is no textbook for this course. The lectures will be based on the primary literature and readings will be assigned for each lecture.

Grading: There will be a mid-term exam and final exam. The mid-term will count for 40% and the final exam will count for 60%.

Syllabus:

Lecture #	Date	Lecture Topic
1	09/06/16	Behavioral Measures in Mice and Basics of Synaptic Plasticity
2	09/13/16	Developmental Disorders: Autism
3	09/20/16	Developmental Disorders: Fragile X Syndrome
4	09/27/16	Developmental Disorders: Tuberous Sclerosis
5	10/04/16	Developmental Disorders: Rett Syndrome
6	10/11/16	Developmental Disorders: Angelman Syndrome
	10/18/16	Mid-term Exam
7	10/25/16	Schizophrenia
8	11/01/16	Depression and Bipolar Disorder

9	11/08/16	Alzheimer's Disease
10	11/15/16	Frontotemporal Dementia
11	11/22/16	Amyotrophic Lateral Sclerosis
12	11/29/16	Parkinson's Disease
13	12/06/16	Huntington's Disease
14	12/13/16	Legislative Day – no class (classes meet according to a Monday schedule)
	12/20/16	Final Exam (10:00-11:50 am; room TBD)