

2013-2014 Academic Year, Fall Semester

Neurobiology of Brain Disorders

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Office hours: by appointment

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 815, Meyer Hall from 9:30-11:30.

Textbook: There is no textbook for this course. The lectures will be based on the primary literature.

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:

Class #	Date	Lecture Topic
1	09/03/13	Introduction and Behavioral Measures in Mice
2	09/10/13	Basics of Cellular and Molecular Basis of Synaptic Plasticity
3	09/17/13	Alzheimer's Disease
4	09/24/13	Developmental Disorders: Down Syndrome
5	10/01/13	Developmental Disorders: Autism
6	10/08/13	Developmental Disorders: Fragile X Syndrome
7	10/15/13	No Class - Fall Break
8	10/22/13	Mid-term Exam
8	10/29/13	Developmental Disorders: Tuberous Sclerosis
9	11/05/13	Developmental Disorders: Angelman Syndrome

10	11/12/13	Developmental Disorders: Neurofibromatosis type 1, Coffin-Lowry Syndrome, Rubinstein-Taybi Syndrome, Rett Syndrome, Wolcott-Rallison Syndrome
11	11/19/13	Schizophrenia
12	11/26/13	Parkinson's Disease
13	12/03/13	Drug Addiction
14	12/10/13	Depression and Bipolar Disorder