

Courses Offered – Fall 2017

Courses that satisfy Foundational Requirements for Neuroscience PhD Program

Link to online schedule of classes: <http://schedule.berkeley.edu/>

Full Course Requirements:

<http://neuroscience-grad.berkeley.edu/wp-content/uploads/2015/01/Neuroscience-Course-Curriculum-v-2015.pdf>

Category A – Cellular, Molecular & Developmental Neuroscience

NEUROSC C261: Cellular and Developmental Neurobiology

001 LEC, 3 Units

Class #: 22044

Instructor(s): Hillel Adesnik, Stephen G. Brohawn, John Ngai

Tu, Th: 12:30 pm - 1:59 pm

Cory 289

MCELLBI 236: Advanced Mammalian Physiology

001 LEC, 5 Units

Class #: 17583

Instructor(s): Diana M. Bautista, Rebecca Heald, Polina Lishko

M, W, F: 11:00 am - 11:59 am

Genetics & Plant Bio 100

Category B – Systems & Computational Neuroscience

Category C – Cognition, Brain and Behavior

PSYCH C127: Cognitive Neuroscience (Undergrad)

001 LEC, 3 Units

Class #: 19560

Instructor(s): Richard Ivry

M, W: 12:00 pm - 12:59 pm

Birge 50

PSYCH 210B : Proseminar: Behavioral Neuroscience

001 LEC, 3 Units

Class #: 46853

Instructor(s): Linda Wilbrecht, Lance J. Kriegsfeld, David Foster

F: 2:00 pm - 3:59 pm

*PSYCH 214: Functional MRI Methods

001 LEC, 3 Units

Class #: 22682

Instructor(s): Mark D'Esposito

M: 1:30 pm - 4:29 pm

* Because of its specific focus on methodology, this course is only appropriate for cognitive neuro students who will use fMRI in their thesis research; it is not appropriate for other students looking to fill the cognitive requirement.

Required Courses for all First Year Students:

NEUROSC 290A 001

001LEC, 1 Units

Class #: 22850

Instructor(s): Daniel E. Feldman

W: 4:00 pm - 5:59 pm

NEUROSC 291A : Neuroscience Introduction to Research (Rotations)

001 LAB, 4 to 12 Units

2017 Fall-1

Class #: 17885

Instructor(s): Daniel E. Feldman

All first and second year students must register for at least 1 semester per year of Brain Lunch. Sign up Satisfactory/Unsatisfactory. Year 4 students must present a Brain Lunch talk, and must sign up for a Letter Grade during the semester of their presentation.

NEUROSC 294 : Neuroscience Graduate Student Presentation Seminar

001 SEM

1 Units

Class #: 18326

Instructor(s): Dan Feldman

M: 12:00 pm - 12:59 pm
Tolman 5101

Commonly Chosen Electives

Statistics

PSYCH 102: Methods for Research in Psychological Sciences

001 LEC, 3 Units

Class #: 22509

Instructor(s): Frederic E Theunissen

M, W: 9:00 am - 9:59 am

Etcheverry 3106

STAT 150: Stochastic Processes

001 LEC, 3 Units

Class #: 21064

Instructor(s): Alan Hammond

M, W, F: 12:00 pm - 12:59 pm

Evans 60

STAT 151A : Linear Modelling: Theory and Applications

001 LEC, 4 Units

Class #: 21045

Tu, Th: 11:00 am - 12:29 pm

Valley Life Sciences 2060

STAT 153: Introduction to Time Series

001 LEC, 4 Units

Class #: 20976

Instructor(s): David R Brillinger

Tu, Th: 3:30 pm - 4:59 pm

Lewis 9

STAT 154 : Modern Statistical Prediction and Machine Learning

001 LEC, 4 Units

Class #: 20978

Instructor(s): Gaston Sanchez Trujillo

M, W, F: 1:00 pm - 1:59 pm
Etcheverry 3108

Mathematics

MATH 118 : Fourier Analysis, Wavelets, and Signal Processing
001 LEC, 4 Units
Class #: 45440
Instructor(s): John A Strain
Tu, Th: 3:30 pm - 4:59 pm
Cory 241

Electrical Engineering and Computer Sciences

ELENG 120 : Signals and Systems
001 LEC, 4 Units
Class #: 39094
Instructor(s): Babak Ayazifar
M, W: 4:00 pm - 5:59 pm
Birge 50

EECS 126: Probability and Random Processes
001 LEC, 4 Units
Class #: 46117
Instructor(s): Jean C Walrand, Abhay K Parekh
Tu, Th: 12:30 pm - 1:59 pm
Genetics & Plant Bio 100

ELENG 221A: Linear System Theory
001 LEC, 4 Units
Class #: 39139
Instructor(s): Claire Jennifer Tomlin
Tu, Th: 2:00 pm - 3:29 pm
Cory 521

ELENG 225B : Digital Image Processing
001 LEC, 3 Units
Class #: 45012
Instructor(s): Avidesh Zakhor

Tu, Th: 9:30 am - 10:59 am
Stanley 179

ELENG 226A : Random Processes in Systems
001 LEC, 4 Units
Class #: 39133
Instructor(s): Venkatacha Anantharam
Tu, Th: 3:30 pm - 4:59 pm
Cory 293

ELENG 229A : Information Theory and Coding
001 LEC, 3 Units
Class #: 39122
Instructor(s): Thomas A. Courtade
Tu, Th: 12:30 pm - 1:59 pm
Cory 241

Bioengineering

BIOENG 231: Introduction to Computational Molecular and Cellular Biology
001 LEC, 4 Units
Class #: 24862
Instructor(s): Ian H. Holmes
M, W, F: 2:00 pm - 2:59 pm
Evans 60

BIOENG 263 : Principles of Molecular and Cellular Biophotonics
001 LEC, 4 Units
Class #: 24823
Instructor(s): Gerard Marriott
Tu, Th: 5:00 pm - 6:29 pm
Hearst Mining 310

Vision Science

VISSCI 212B: Visual Neurophysiology and Development
001 LEC, 2 Units

Class #: 40711

Instructor(s): Michael A. Silver

M, W: 4:00 pm - 5:29 pm