

## **Courses Offered – Fall 2018**

Courses that satisfy Foundational Requirements for Neuroscience PhD Program

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

Full Course Requirements:

<http://neuroscience.berkeley.edu/wp-content/uploads/2018/08/Neuroscience-Course-Curriculum-November-2017.pdf>

### **Category A – Cellular, Molecular & Developmental Neuroscience**

NEUROSC C261: Cellular and Developmental Neurobiology

001 LEC, 3 Units

Class #: 24200

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

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

Wheeler 24

MCELLBI 236: Advanced Mammalian Physiology

001 LEC, 5 Units

Class #: 23575

Instructor(s): Diana M. Bautista, Polina Lishko, Iswar Krishna

M, W, F: 3:00 pm - 3:59 pm

Li Ka Shing 245

### **Category B – Systems & Computational Neuroscience**

VS265: Neural Computation

001 LEC, 3 Units

Class #: 32675

Instructor(s): Bruno Olshausen

T, Th: 3:30-5

Location:

### **Category C – Cognition, Brain and Behavior**

PSYCH 117: Human Neuropsychology

001 LEC, 3 Units

Class #: 31404

Instructor(s): Mark D'Esposito  
M, W: 10:00 am - 10:59 am  
Evans 10

PSYCH C127: Cognitive Neuroscience  
001 LEC, 3 Units  
Class #: 23430  
Instructor(s): Jack Gallant  
M, W: 2:00 am - 2:59 am  
Lewis 100

PSYCH 210A : Proseminar: Cognition, Brain, and Behavior  
001 LEC, 3 Units  
Class #: 25873  
Instructor(s): TBA  
F: 2:00 pm - 3:59 pm

VS262 - Visual Cognitive Neuroscience  
001 LEC, 3 Units  
Class #: 32677  
Instructor(s): Michael Silver  
T: 12:00 pm – 2:00 pm  
Location: Minor Hall 491

**Required Courses for all First Year Students:**

NEUROSC 290A: Neuroscience Research Design and Analysis  
001 LEC, 1 Units  
Class #: 24541  
Instructor(s): Michael Silver  
W: 4:00 pm - 5:59 pm  
Location: Li Ka Shing 445

NEUROSC 291A : Neuroscience Introduction to Research (Rotations)  
001 LAB, 4 to 12 Units  
2018 Fall  
Class #: 22654  
Instructor(s): Michael Silver

**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 Unit

Class #: 22814

Instructor(s): Michel Silver

M: 12:00 pm - 12:59 pm

Location: 545 Li Ka Shing

### **Commonly Chosen Electives**

#### Statistics

PSYCH 102 : Methods for Research in Psychological Sciences

001 LEC, 3 Units

Class #: 24402

Instructor(s): TBA

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

Dwinelle 219

STAT 150: Stochastic Processes

001 LEC, 3 Units

Class #: 23839

Instructor(s): Brett T. Kolesnik

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

Evans 60

STAT 151A: Linear Modeling: Theory and Applications

001 LEC, 4 Units

Class #: 23833

Instructor(s): Oscar Herman, Madrid Padilla

Tu, Th: 5:00 pm - 6:29 pm

Hearst Mining 390

STAT 153: Introduction to Time Series

001 LEC, 4 Units

Class #: 32536

Instructor(s): TBA

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

Evans 10

STAT 154 : Modern Statistical Prediction and Machine Learning

001 LEC, 4 Units

Class #: 23809

Instructor(s): Nouredine El Karoui

Tu, Th: 2:00 pm - 3:29 pm

Birge 50

STAT 154 : Modern Statistical Prediction and Machine Learning

001 LEC, 4 Units

Class #: 23809

Instructor(s): Nouredine El Karoui

Tu, Th: 2:00 pm - 3:29 pm

Birge 50

Electrical Engineering and Computer Sciences

ELENG 120 : Signals and Systems

001 LEC, 4 Units

Class #: 27373

Instructor(s): Babak Ayazifar

Tu, Th: 2:00 pm - 3:59 pm

Valley Life Sciences 2060

EECS 126: Probability and Random Processes

001 LEC, 4 Units

Class #: 27989

Instructor(s): Kannan Ramchandran

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

Stanley 105

ELENG 221A: Linear System Theory

001 LEC, 4 Units

Class #: 27408

Instructor(s): Yi Ma

Tu, Th: 9:30 pm - 10:59 pm

Cory 521

ELENG 226A : Random Processes in Systems

001 LEC, 4 Units

Class #: 27402

Instructor(s): Venkatacha Anantharam

Tu, Th: 2:00 pm - 3:29 pm

Cory 591

ELENG 229A : Information Theory and Coding

001 LEC, 3 Units

Class #: 27394

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 #: 26930

Instructor(s): Ian H. Holmes

M, W, F: 2:00 pm - 2:59 pm

Lewis 9

BIOENG 263 : Principles of Molecular and Cellular Biophotonics

001 LEC, 4 Units

Class #: 26924

Instructor(s): Gerard Marriott

Tu, Th: 5:00 pm - 6:29 pm

Etcheverry 3109

### Vision Science

VISSCI 260A: Optical and Neural Limits to Vision

001 LEC, 3 Units

Class #: 28865

Instructor(s): Austin Roorda, Susana Chung, Dennis Levi

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

## **Seminar List: Neuroscience-Related Seminars**

FALL 2018

### **NEUROSC 299s**

N/A

### **MCB 290s**

N/A

### **PSYCH 290s**

PSYCH 290B : Seminars: Biological

001 SEM, 2 Units

Fall-18

Class #: 16866

Instructor(s): Robert Knight

W: Time TBD

PSYCH 290H: Seminars: Developmental

001 SEM, 2 Units

Class #: 25874

Instructor(s): Fei Xu, Mahesh Srinivasan

M: 2:00 pm - 4:29 pm

PSYCH 290Z: Seminars: Special Section

001 SEM, 2 Units

Class #: 24392

Instructor(s): Anne Collins

Th: 9:00 pm - 10:59 pm

PSYCH 290Z: Seminars: Special Section

001 SEM, 1-3 Units

Class #: 24092

Instructor(s): Sonia Bishop, Kevin S Weiner

Th: 4:00 pm - 5:59 pm

PSYCH 290Z: Seminars: Special Section

001 SEM, 1-3 Units

Class #: 32560

Instructor(s): Rodolfo Mendoza-Denton

Th: 11:00 am - 12:59 pm

## **EECS 290s**

ELENG 290T : Advanced Topics in Signal Processing

001 LEC, 3 Units

Class #: 27776

Instructor(s): Avidah Zakhor

Tu, Th: 9300 am - 10:59 pm

Cory 293

ELENG 290T : Advanced Topics in Signal Processing

001 LEC, 3 Units

Class #: 32190

Instructor(s): Yi Ma

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

Cory 299

## **LING 290s**

No Neuro-related courses.

## **VIS SCI 298s**

VISSCI 298 : Seminar, Group Studies

002 LEC, 1-6 Units

Class #: 16900

Instructor(s): Bruno Olshausen

Tu: 6:00pm – 7:59pm

Location TBA

VISSCI 298 : Seminar, Group Studies

003 LEC, 1-6 Units

Class #: 16901/2

Instructor(s): Stanley Klein