Courses Offered – Spring 2019

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

Full Course Requirements: https://goo.gl/H2Aq7U

Courses that satisfy Foundational Requirements for Neuroscience PhD Program:

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

MCB 240: Advanced Genetic Analysis
Instructor: Craig Miller, Douglas Koshland, Barbara Meyer
TuTh 9:30 - 11AM, Dwinelle 182
Units/Credit: 4
Discussion: Mo 1-2 PM, Wheeler 20

**Category B – Systems & Computational Neuroscience**

NEURO/MCB C262: Circuit and Systems Neurobiology
Instructors: Dan Feldman, Yang Dan
TuTh 9:30 - 11AM, Koshland 80
Units/Credit: 3
Discussion: No Discussion

VIS SCI 260C: Introduction to Visual Neuroscience
Instructor: Bruno Olshausen, Michael Silver, Rowland Taylor
Mo, We 4:00 - 5:30PM, Minor 491
Units/Credit: 3
Discussion: No Discussion

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

PSYCH 114: Biology of Learning
Instructor: Linda Wilbrecht
Mo, Fr 2 - 4PM, Birge 50
Units/Credit: 3

PBHLTH 290: Health issues Seminar: Neuroepidemiology
Instructor: William Jagust
Mo 12 - 2 PM, Berkeley Way West 1205
Units/Credit: 1 – 4

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

NEURO 291B: Neuroscience Introduction to Research (Rotations)
Instructor: Michael Silver
Units/Credit: 4-12

NEURO 290B: Neuroscience Career Skills
Instructors: Kristofer Bouchard, Lance Kriegsfeld, John Ngai, Michael Silver
Units/Credit: 1
TuTh 2 - 3:30PM, mid-March to end of April
All first and second year students must register for at least one 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.

NEURO 294: Neuroscience Graduate Student Presentation Seminar (Brain Lunch)
Instructor: Kristofer Bouchard, Lance Kriegsfeld, John Ngai, Michael Silver
Mo 12 - 1PM
Units/Credit: 1
Discussion: No Discussion

NEURO 299: Neuro Statistics
Class number 19555
M, W 5pm-7pm

Commonly Chosen Electives:
Statistics
STAT 248: Analysis of Time Series
Instructor: David Brillinger
TuTh 3:30 - 5PM, Evans 344
Units/Credit: 4
Lab: Fr 1-3 PM, Evans 344

STAT 150: Stochastic Processes
Instructor: Michael J Klass
M, W, F: 1 - 2 PM, Stanley 106
Units/Credit: 3

STAT 151A : Linear Modelling: Theory and Applications
Instructor: Oscar Hernan Madrid Padilla
TuTh 5 – 6:30 PM, Hearst Mining 390
Units/Credit: 4

STAT 153: Introduction to Time Series
Instructor: Merle Behr
TuTh 2 - 3:30 PM, Hearst Mining 390
Units/Credit: 4

STAT 154: Modern Statistical Prediction and Machine Learning
Instructor: Bin Yu
Location: TuTh 8 - 9:30 AM, Valley Life Sciences 2040
Units/Credit: 4

Mathematics
MATH 118 : Fourier Analysis, Wavelets, and Signal Processing
Instructor: John Strain
Tu, Th 11 AM - 1 PM, Hearst Mining 310
Units/Credit: 4
Electrical Engineering and Computer Sciences
CS C280: Computer Vision
Instructors: Alexei Efros, Stella Yu, Jitendra Malik
We, Fr 10 - 11:39 AM, Soda 306
Units/Credit: 3

ELENG 120: Signals and Systems
Instructor: Babak Ayazifar
Tu, Th 6 – 8 PM, LeConte 3
Units/Credit: 4

EECS 126: Probability and Random Processes
Instructor: Kannan Ramchandran
Tu, Th 12:30 - 2 PM, Stanley 105
Units/Credit: 4

ELENG 225B: Digital Image Processing
Instructor: Avideh Zakhor
We 1 - 4 PM, Cory 540AB
Units/Credit: 3

Vision Science
VISSCI 260D: Seeing in Time, Space and Color
Instructor: Martin Banks
Mo We 4 - 5:30PM, Minor Hall 491
Units/Credit: 3

Psychology
PSYCH 110: Introduction to Biological Psychology
Instructor: David Foster
Mo, We 10 - 11AM, GPB 100
Units/Credit: 3

Bioengineering
BIOENG 263L: Molecular and Cellular Biophotonics Labratory
Instructor: Gerard Marriott
Mo, We 9 AM - 12 PM, Stanley B144
Units/Credit: 4
Neuroscience-Related Seminars – Spring 2019

PSYCH 290Q: Seminars: Cognition
Instructor: David Whitney
Mo 1 - 3 PM, Berkeley Way West 1214
Units/Credit: 2

PSYCH 290B: Seminars: Biological (Human Neuropsychology)
Instructors: Robert Knight, Mark D'Esposito
We 1 - 3 PM, Barker 210
Units/Credit: 2

PSYCH 290B: Seminar: Biological (Reinforcement Learning and Decision Making)
Instructors: David Foster, Joni Wallis
Th 2 - 4 PM, Berkeley Way West 1214
Units/Credit: 2

MCB 290: Graduate Seminar
Instructor: Na Ji
We 8:30 - 9:30AM, Barker 301
Units/Credit: 1

PSYCH 290Z: Neuroimaging Seminar Series
Instructors: Jack Gallant and Sonia Bishop
We 1-3 pm, Berkeley Way West 1213
Units/Credit: 1 - 3

PSYCH 206: Structural Equation Modeling
Instructor: Aaron Fisher
Th 1 - 4 PM, Berkeley Way West 1203
Units/Credit: 3

PSYCH 229A: Cognition Colloquium
Instructor: Matthew Walker
Fr 11 - 12:30 PM, Berkeley Way West 1104
Units/Credit: 1

PSYCH 205: Data Analysis
Instructor: Frederic Theunissen
Mo,We,Fr 9 - 10 AM, Berkeley Way West 1203
Units/Credit: 3

PSYCH 229B: Cognitive Neuroscience Colloquium
Instructor: Matthew Walker
Fr 3:30 - 5 PM, Berkeley Way West 1104
Units/Credit: 1