

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: Avidah 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 Laboratory

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