

Courses Offered – Spring 2022

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

Full Course Requirements:

<https://live-helen-wills-neuroscience-institute.pantheon.berkeley.edu/wp-content/uploads/2021/09/Neuroscience-Course-Curriculum-August-2021.pdf>

Courses that satisfy Neuroscience PhD Program Foundational Requirements:

Category A – Cellular, Molecular & Developmental Neuroscience

MCELLBI 240: Advanced Genetic Analysis

Instructors: Iswar Krishna Hariharan, Barbara Meyer, Fyodor Urnov

Tu, Th 9:30-11AM, Hearst Mining 310

Units: 4

MCELLBI 230: Advanced Cell and Developmental Biology

Instructors: James Hurley, Michael Rape, David Bilder

Tu, Th, 2-3:30PM, LKS 125

Units: 4

Category B – Systems & Computational Neuroscience

NEUROSC C262: Circuit and Systems Neurobiology

Instructors: Dan Feldman, Yang Dan

Tu, Th, 9:30-11AM, LKS 125

Units: 3

VIS SCI 260C: Introduction to Visual Neuroscience

Instructors: Michael Silver, Bruno Olshausen, Rowland Taylor, Teresa Puthussery

M, W, 4- 5:30PM, Minor Hall 491

Units: 3

Category C – Cognition, Brain and Behavior

PSYCH 117: Human Neuropsychology (undergraduate)

Instructor: Mark D'Esposito

M, W, 10-11AM, LKS 245

Units: 3

PSYCH 240: Proseminar: Biological, Cognitive, and Language Development

Instructors: Silvia Bunge, Celeste Kidd

Tu, 10AM-12PM, Berkeley Way West 1211

Units: 3

PUBLIC HEALTH 290: Neuroepidemiology

Instructor: Bill Jagust

M, 12-2PM, BWB 1208

Units: 3

Required Courses for all First Year Students:

NEURO 291B: Neuroscience Introduction to Research (Rotations)

Instructor: TBD

Units: 4-12

NEURO 290B: Neuroscience Career Skills

Instructor: Michael Silver

Days, Time: TBA

Units: 1

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.

NEURO 294: Neuroscience Graduate Student Presentation Seminar (Brain Lunch)

Instructor: Michael Silver

M, 12-1PM

Units: 1

Other Neuroscience Courses

NEUROSC 299 (Class #19000): Applied Statistics for Neuroscience

Instructor: Dan Feldman

M, W, 5-6:30PM, Dwinelle 104

Units: 1-3

This course fulfills the program requirement for training in statistics and quantitative methods.

Commonly Chosen Electives:Statistics

STAT 248: Analysis of Time Series

Instructor: Adityanand Guntuboyina

Tu, Th, 11AM-12:30PM, Morgan 101

Units: 4

STAT 150: Stochastic Processes

Instructor: Benson Au

M, W, F, 1-2PM, Stanley 106

Units: 3

STAT 230A : Linear Models

Instructor: Peng Ding

Tu, Th, 2-3:30PM, Social Sciences Building 20

Units: 4

STAT 153: Introduction to Time Series

Instructor: Ruoqi Yu

Tu, Th, 8-9:30AM, Hearst Mining 390

Units: 4

STAT 154: Modern Statistical Prediction and Machine Learning

Instructor: Nusrat Rabbee

Tu, Th, 5-6:30PM, Etcheverry 3108

Units: 4

Electrical Engineering/Computer Science (EECS)

ELENG 290: Advanced Topics in Electrical Engineering: Advanced Brain Imaging Methods

Instructor: Chunlei Liu

T, Th 9:30-11AM, Cory 531

Units: 4

ELENG 120: Signals and Systems

Instructor: Babak Ayazifar

M, W, 3-5PM, Mulford 159

Units: 4

EECS 126: Probability and Random Processes

Instructor: Kannan Ramchandran

T, Th, 3:30-5PM, Lewis 100

Units: 4

Data Science

DATASCI C280: Computer Vision

Instructors: Shruti Agarwal

M, 6:30-8PM, Remote Instruction

Units: 3

Psychology

PSYCH 114: Biology of Learning

Instructor: Linda Wilbrecht

T, Th, 11AM-12PM, Genetics and Plant Biology 100

Units: 3

PSYCH 111: Human Neuroanatomy

Instructor: Kevin Weiner

M, W, 1-2PM, Genetics & Plant Biology 100

Units: 3

PSYCH 290B: Clinical Neuroscience

Instructors: Bob Knight, Mark D'Esposito

W, 12-2PM, Barker 210

Units: 2