Courses Offered – Spring 2022

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

Full Course Requirements:

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, BWW 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